SEARS

OWNER'S MANUAL

MODEL NO. 917.255430

Caution:
Read and follow all Safety Rules and Instructions Before Operating This Equipment

CRAFTSMAN®

12.5 HP IC ELECTRIC START 42" MOWER 6 SPEED TRANSAXLE LAWN TRACTOR

- Assembly
- Operation
- Customer Responsibilities
- Service and Adjustment
- Repair Parts

Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.

SAFETY RULES

Safe Operation Practices for Ride-On Mowers

IMPORTANT: THIS CUTTING MACHINE IS CAPABLE OF AMPUTATING HANDS AND FEET AND THROWING OBJECTS. FAILURE TO OBSERVE THE FOLLOWING SAFETY INSTRUCTIONS COULD RESULT IN SERIOUS INJURY OR DEATH.

I. GENERAL OPERATION

- Read, understand, and follow all instructions in the manual and on the machine before starting.
- Only allow responsible adults, who are familiar with the instructions, to operate the machine.
- Clear the area of objects such as rocks, toys, wire, etc., which could be picked up and thrown by the blade.
- Be sure the area is clear of other people before mowing. Stop machine if anyone enters the area.
- Never carry passengers.
- Do not mow in reverse unless absolutely necessary. Always look down and behind before and while backing.
- Be aware of the mower discharge direction and do not point it at anyone. Do not operate the mower without either the entire grass catcher or the guard in place.
- Slow down before turning.
- Never leave a running machine unattended. Always turn off blades, set parking brake, stop engine, and remove keys before dismounting.
- Turn off blades when not mowing.
- Stop engine before removing grass catcher or unclogging chute.
- Mow only in daylight or good artificial light.
- Do not operate the machine while under the influence of alcohol or drugs.
- Watch for traffic when operating near or crossing roadways.
- Use extra care when loading or unloading the machine into a trailer or truck.

II. SLOPE OPERATION

Slopes are a major factor related to loss-of-control and tipover accidents, which can result in severe injury or death. All slopes require extra caution. If you cannot back up the slope or if you feel uneasy on it, do not mow it.

DO:

- Mow up and down slopes, not across.
- Remove obstacles such as rocks, tree limbs, etc.
- Watch for holes, ruts, or bumps. Uneven terrain could overturn the machine. *Tall grass can hide obstacles.*
- Use slow speed. Choose a low gear so that you will not have to stop or shift while on the slope.
- Follow the manufacturer's recommendations for wheel weights or counterweights to improve stability.
- Use extra care with grass catchers or other attachments. These can change the stability of the machine.
- Keep all movement on the slopes *slow* and *gradual*. Do not make sudden changes in speed or direction.
- Avoid starting or stopping on a slope. If tires lose traction, disengage the blades and proceed slowly *straight* down the slope.

DO NOT:

- *Do not* turn on slopes unless necessary, and then, turn slowly and gradually downhill, if possible.
- *Do not* mow near drop-offs, ditches, or embankments. The mower could suddenly turn over if a wheel is over the edge of a cliff or ditch, or if an edge caves in.
- *Do not* mow on wet grass. Reduced traction could cause sliding.
- *Do not* try to stabilize the machine by putting your foot on the ground.
- *Do not* use grass catcher on steep slopes.

III. CHILDREN

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. *Never* assume that children will remain where you last saw them.

- Keep children out of the mowing area and under the watchful care of another responsible adult.
- Be alert and turn machine off if children enter the area.
- Before and when backing, look behind and *down* for small children.
- Never carry children. They may fall off and be seriously injured or interfere with safe machine operation.
- Never allow children to operate the machine.
- Use extra care when approaching blind corners, shrubs, trees, or other objects that may obscure vision.

IV. SERVICE

- Use extra care in handling gasoline and other fuels. They are flammable and vapors are explosive.
  - Use only an approved container.
  - Never remove gas cap or add fuel with the engine running. Allow engine to cool before refueling. Do not smoke.
  - Never refuel the machine indoors.
  - Never store the machine or fuel container inside where there is an open flame, such as a water heater.
- Never run a machine inside a closed area.
- Keep nuts and bolts, especially blade attachment bolts, tight and keep equipment in good condition.
- Never tamper with safety devices. Check their proper operation regularly.
- Keep machine free of grass, leaves, or other debris build-up. Clean oil or fuel spillage. Allow machine to cool before storing.
- Stop and inspect the equipment if you strike an object. Repair, if necessary, before restarting.
- Never make adjustments or repairs with the engine running.
- Grass catcher components are subject to wear, damage, and deterioration, which could expose moving parts or allow objects to be thrown. Frequently check components and replace with manufacturer's recommended parts, when necessary.
- Mower blades are sharp and can cut. Wrap the blade(s) or wear gloves, and use extra caution when servicing them.
- Check brake operation frequently. Adjust and service as required.

Look for this symbol to point out important safety precautions. It means CAUTION!!! BECOME ALERT!!! YOUR SAFETY IS INVOLVED.

CAUTION: Always disconnect spark plug wire and place wire where it cannot contact spark plug in order to prevent accidental starting when setting up, transporting, adjusting or making repairs.

CONGRATULATIONS on your purchase of a Sears Tractor. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problem you cannot easily remedy, please contact your nearest Sears Service Department. We have competent, well-trained technicians and the proper tools to service or repair this unit.

Please read and retain this manual. The instructions will enable you to assemble and maintain your unit properly. Always observe the "SAFETY RULES".

MODEL NUMBER 917.255430

SERIAL NUMBER _____

DATE OF PURCHASE _____

THE MODEL AND SERIAL NUMBERS WILL BE FOUND ON A PLATE UNDER THE SEAT.

YOU SHOULD RECORD BOTH SERIAL NUMBER AND DATE OF PURCHASE AND KEEP IN A SAFE PLACE FOR FUTURE REFERENCE.

MAINTENANCE AGREEMENT

A Sears Maintenance Agreement is available on this product. Contact your nearest Sears store for details.

CUSTOMER RESPONSIBILITIES

- Read and observe the safety rules.
- Follow a regular schedule in maintaining, caring for and using your unit.
- Follow the instructions under "Customer Responsibilities" and "Storage" sections of this owner's manual.

PRODUCT SPECIFICATIONS

HORSEPOWER:	12.5
GASOLINE CAPACITY:	5 QUARTS UNLEADED REGULAR
OIL (3.0 PINTS):	SAE 30 (Above 32°F) 5W-30 (Below 32°F)
SPARK PLUG (GAP .030 IN.):	CHAMPION RJ-19LM STD361458
VALVE CLEARANCE:	INTAKE .005 - .007 IN. EXHAUST .009 - .011 IN.
GROUND SPEED:	FORWARD 1st 1.10 MPH 2nd 1.40 MPH 3rd 2.00 MPH 4th 3.00 MPH 5th 4.20 MPH 6th 5.00 MPH REVERSE: 1.50 MPH
TIRE PRESSURE:	FRONT: 14 PSI REAR: 12 PSI
CHARGING SYSTEM:	3 AMPS BATTERY 5 AMPS HEADLIGHTS
BLADE BOLT TORQUE:	30-35 FT. LBS.

WARNING: This unit is equipped with an internal combustion engine and should not be used on or near any unimproved forest-covered, brush-covered or grass-covered land unless the engine's exhaust system is equipped with a spark arrester meeting applicable local or state laws (if any). If a spark arrester is used, it should be maintained in effective working order by the operator.

In the state of California the above is required by law (Section 4442 of the California Public Resources Code). Other states may have similar laws. Federal laws apply on federal lands. A spark arrester for the muffler is available through your nearest Sears Authorized Service Center (See REPAIR PARTS section of this manual).

LIMITED TWO YEAR WARRANTY ON ELECTRIC START RIDING EQUIPMENT

For two (2) years from the date of purchase, if this riding equipment is maintained, lubricated and tuned up according to the instructions in the owner's manual, Sears will repair or replace, free of charge, any parts found to be defective in material or workmanship.

This Warranty does not cover:

- Expendable items which become worn during normal use, such as blades, spark plugs, air cleaners and belts.
- Tire replacement or repair caused by punctures from outside objects, such as nails, thorns, stumps, or glass.
- Repairs necessary because of operator abuse, negligence, improper storage or accident or the failure to maintain the equipment according to the instructions contained in the owner's manual.
- Riding equipment used for commercial or rental purposes.

LIMITED 90 DAY WARRANTY ON BATTERY

For 90 days from date of purchase, if any battery included with this riding equipment proves defective in material or workmanship and our testing determines the battery will not hold a charge, Sears will replace the battery at no charge.

WARRANTY SERVICE IS AVAILABLE BY RETURNING THE RIDING EQUIPMENT TO THE NEAREST SEARS SERVICE CENTER/DEPARTMENT IN THE UNITED STATES.

This Warranty gives you specific legal rights, and you may also have other rights which may vary from state to state.

SEARS, ROEBUCK AND CO., D/817 WA, HOFFMAN ESTATES, ILLINOIS 60179

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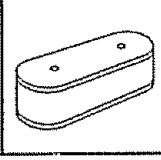
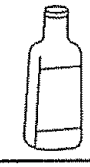
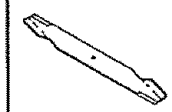
ACCESSORIES AND ATTACHMENTS

These accessories and attachments were available when the tractor was purchased. They are also available at most Sears retail outlets, catalog and service centers. Most Sears stores can order these items for you when you provide the model number of your tractor.

ENGINE

SPARK PLUG	MUFFLER	AIR FILTER	GAS CAN	ENGINE OIL	STABILIZER
					

MAINTENANCE

BLADES	BELTS
	

PERFORMANCE

Sears offers a wide variety of attachments that fit your tractor. Many of these are listed below with brief explanations of how they can help you. This list was current at the time of publication; however, it may change in future years - more attachments may be added, changes may be made in these attachments, or some may no longer be available or fit your model. **Contact your nearest Sears store for the accessories and attachments that are available for your tractor.**

Most of these attachments do not require additional hitches or conversion kits (those that do are indicated) and are designed for easy attaching and detaching.

PERMANEX BAGGER lets you collect grass clippings and leaves for a healthier, neater looking lawn. Two Permanex containers hold 30-gallon plastic bags.

LAWN SWEEPERS let you collect grass clippings and leaves.

LAWN VACS for powerful collection of heavy grass clippings and leaves. Wand attachment to pick up debris in hard-to-reach places.

CARTS make hauling easy. Variety of sizes available.

ROLLER for smoother lawn surface. 36-inch wide, 18-inch diameter water-tight drum holds up to 390 lbs. of weight. Rounded edges prevent harm to turf. Adjustable scraper automatically cleans drum.

SPREADER/SEEDERS make seeding, fertilizing, and weed killing easy. Broadcast spreaders are also useful for granular de-icers and sand.

CORING AERATOR takes small plugs out of soil to allow moisture and nutrients to reach grass roots. 36-inch swath. 24 hardened steel coring tips. 150 lb. capacity weight tray.

AERATOR promotes deep root growth for a healthy lawn. Tapered 2.5-inch steel spikes mounted on 10-inch diameter discs puncture holes in soil at close intervals to let moisture soak in. Steel weight tray for increased penetration.

MULCH RAKE/DETHATCHER loosens soil and flips thatch and matted leaves to lawn surface for easy pickup. Twenty spring tine teeth. Useful to prepare bare areas for seeding. Available for front or rear mounting.

SPRAYERS use 12-volt DC electric motor that connects to the tractor battery or other 12-volt source. Includes booms for automatic spraying when pulling, and hand held wand for spot spraying. Wand has adjustable spray pattern. For applying herbicides, insecticides, fungicides, and liquid fertilizers.

SNOW BLADE for snow removal only. 14-inch high, 42-inch wide blade clears 38-inch path when angled left or right. Raises, lowers with side lever. Adjustable skids; replaceable, reversible scraper bar. (Use with tire chains, wheel weights, or rear drawbar weight.)

SNOWTHROWER has 40-inch swath. Drum-type auger handles powdery and wet/heavy snow. Mounts easily with simple pin arrangement. Discharge chute adjusts from tractor seat. 6-inch diameter spout discharges snow 10 to 50 feet. Lift controlled at tractor seat. (Use with chains, wheel weights, or rear drawbar weight.)

TIRE CHAINS are heavy duty; closely spaced extra-large cross links give smooth ride, outstanding traction.

WHEEL WEIGHTS for rear wheels provide needed traction for snow removal or dozing heavy materials. In pairs. (30 lbs. each.)

TRACTOR CAB has heavy duty vinyl fabric over tubular steel frame, ABS plastic top; clear plastic windshield offers 360 degree visibility. Hinged metal doors with catch. Keeps operator warm and dry. Remove vinyl and windshields for use as sun protector in summer. (Catalog only.)

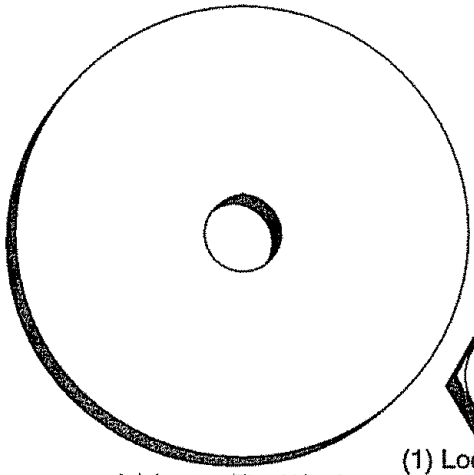
Optional accessories for tractor cab: tinted/tempered solid safety glass windshield with hand operated wiper; 12-volt amber caution light for mounting on cab top. (Catalog only.)

TRACTOR COVER protects tractor from weather. Made of Evolution 3 fabric (water-repellent, extremely breathable, light weight, soft, non-abrasive, pliable in all temperatures, durable, stain/tear/puncture resistant, will not shrink or stretch.) (Catalog only.)

TILLER has 5 hp engine and 36-inch swath to prepare seed beds, cultivate, and compost garden residue. Tiller has its own built-in lift and depth control system and does NOT require a sleeve hitch. Fits any lawn, yard, or garden tractor. Simply hook up to the tractor drawbar and go!

CONTENTS OF HARDWARE PACK

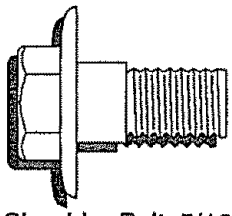
Parts Bag contents shown full size



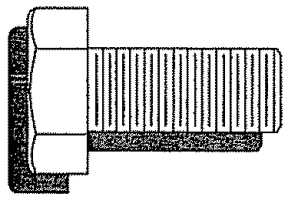
(1) Large Flat Washer

(2) Sheet Metal Screws #10-16 x 1/2

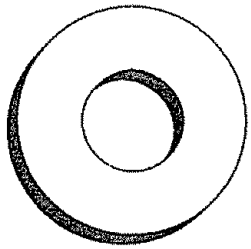
(1) Locknut 3/8-24



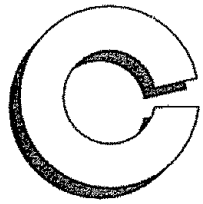
(1) Shoulder Bolt 5/16-18



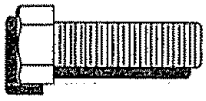
(1) Hex Bolt 1/2-13 x 1



(1) Washer 17/32 x 1-3/16 x 12 Gauge



(1) Lock Washer 1/2



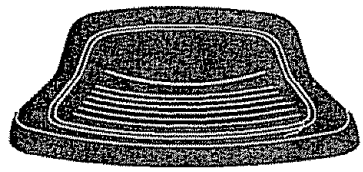
(2) Hex Bolts 1/4-20 x 3/4

(2) Hex Nuts 1/4-20

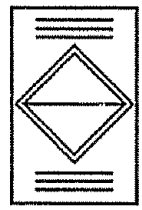
(2) Washers 9/32 x 5/8 x 16 Gauge

(2) Lock Washers 1/4

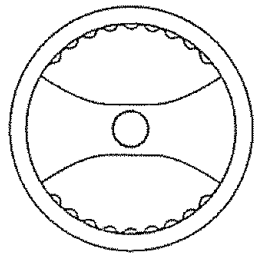
Parts packed separately in carton



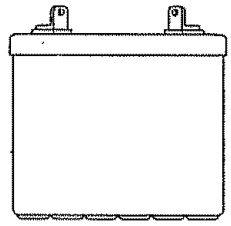
Seat



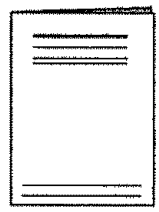
Battery acid



Steering Wheel

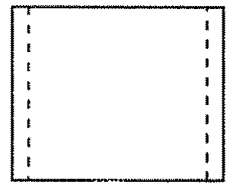


Battery



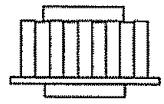
Owner's Manual

Steering Boot

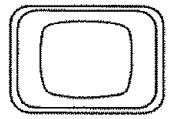


Parts Bag

Parts bag contents not shown full size

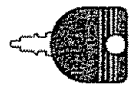


Steering Wheel Adapter

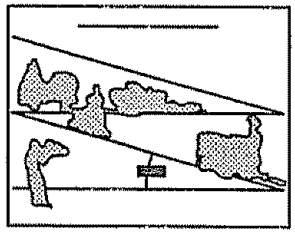


Steering Wheel Insert

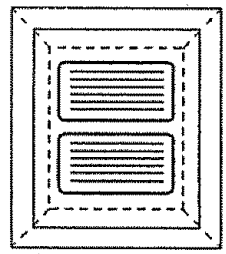
Steering Bushing



(2) Keys



15° Slope Sheet



Battery Caps and Instructions

ASSEMBLY

Your new tractor has been assembled at the factory with exception of those parts left unassembled for shipping purposes. To ensure safe and proper operation of your tractor, all parts and hardware you assemble must be tightened securely. Use the correct tools as necessary to insure proper tightness.

TOOLS REQUIRED FOR ASSEMBLY

A socket wrench set will make assembly easier. Standard wrench sizes are listed.

(1) 5/16" wrench	9/16" wrench
(2) 7/16" wrenches	Screwdriver
(1) 1/2" wrench	Utility knife
(1) 3/4" wrench	Tire pressure gauge

When right and left hand is mentioned in this manual, it means when you are in the operating position (seated behind the steering wheel).

TO REMOVE UNIT FROM CARTON

UNPACK CARTON

- Remove all accessible loose parts and parts cartons from carton (See page 6).
- Cut, from top to bottom, along lines on all four corners of carton and lay panels flat.
- Check for any additional loose parts or cartons and remove.

BEFORE ROLLING UNIT OFF SKID

ATTACH STEERING WHEEL (See Fig. 1)

- Slide the steering bushing over the steering shaft.
- Raise steering shaft forward until screw holes in dash line up with steering bushing. Install two (2) sheet metal screws and tighten securely.
- Position steering boot over steering shaft.
- Place tabs of steering boot over tab slots in dash and push down to secure.
- Slide steering wheel adapter onto upper steering shaft.
- Position front wheels of the tractor so they are pointing straight forward.
- Position steering wheel so cross bars are horizontal (left to right) and slide onto adapter.
- Assemble large flat washer and 3/8-24 locknut and tighten securely.
- Snap steering wheel insert into center of steering wheel.
- Remove protective plastic from tractor hood and grill.

IMPORTANT: CHECK FOR AND REMOVE ANY STAPLES IN SKID THAT MAY PUNCTURE TIRES WHERE UNIT IS TO ROLL OFF SKID.

TO ROLL UNIT OFF SKID (See Fig. 6)

- Raise attachment lift lever to its highest position.
- Release parking brake by depressing clutch/brake pedal.
- Place gearshift lever in "NEUTRAL" position.
- Roll unit backwards off skid.
- Remove banding holding discharge guard up against tractor.

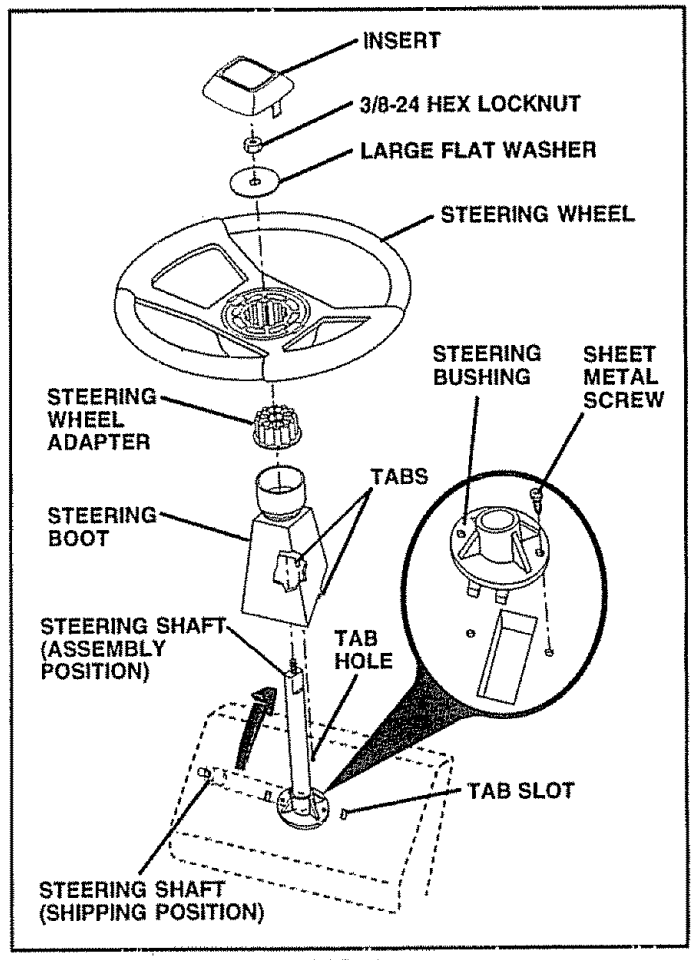


FIG. 1

ASSEMBLY

HOW TO SET UP YOUR TRACTOR

PREPARE BATTERY (See Fig. 2)

CAUTION: Wear eye and face shield.

Wash hands or clothing immediately if accidentally in contact with battery acid.

Do not smoke. Fumes from charged battery acid are explosive.

Read the instructions included with the battery vent caps. Always wear gloves, clothing and goggles to protect your hands, skin and eyes.

Your unit has a battery charging system which is sufficient for normal use. However, periodic charging of the battery with an automotive charger will extend its life.

- See instructions packed with vent caps in parts bag.
- Fill battery with acid. Fill each cell until it reaches the bottom of the vent wells. Do not overfill.
- Allow battery to stand and settle for at least thirty minutes. After standing, check the level of acid. If below the vent wells, add more acid until the correct level is reached.

While battery is standing (after adding acid) and later, while battery is being charged, continue with assembly of unit.

IMPORTANT: TO MAXIMIZE THE LIFE OF YOUR BATTERY, IT IS NECESSARY THAT THE BATTERY BE CHARGED BEFORE USE. FAILURE TO CHARGE BATTERY CAN RESULT IN A SHORTENED BATTERY LIFE.

- Charge battery at a rate of 6 amperes for 1 hour. Use a 12 volt battery charger. Observe all safety precautions required for battery charging.
- Check the acid level after the battery is charged. If the acid has fallen below the correct level, add distilled or iron free water.
- Install the vent caps to cover the vent wells. Wash the top of the battery with water to remove any acid, then wipe dry.
- Check battery case for leakage to make sure that no damage has occurred in handling.
- Dispose of excess battery acid. Neutralize acid for disposal by adding it to four inches of water in a five gallon plastic container. Stir with a wooden or plastic paddle while adding baking soda until the addition of more soda causes no more foaming.
- Follow instructions on how to install battery.

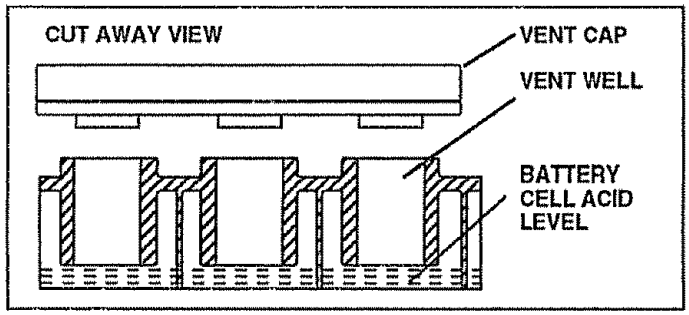


FIG. 2

INSTALL SEAT (See Fig. 3)

Adjust seat before tightening adjustment bolt.

- Remove cardboard packing on seat pan.
- Place seat on pan and assemble shoulder bolt.
- Assemble adjustment bolt, lock washer and flat washer loosely. Do not tighten.
- Tighten shoulder bolt securely.
- Lower seat into operating position and sit on seat.
- Slide seat until a comfortable position is reached which allows you to press clutch/brake pedal all the way down (See Fig. 6).
- Get off seat without moving its adjusted position.
- Raise seat and tighten adjustment bolt securely.

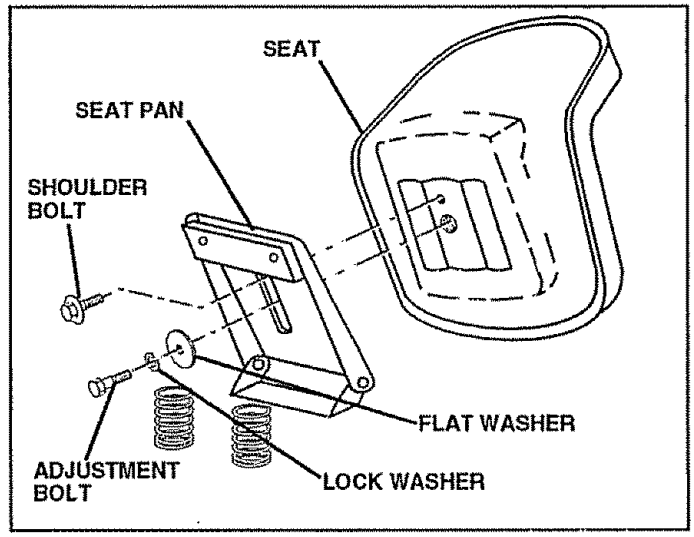


FIG. 3

CHECK TIRE PRESSURE

The tires on your unit were overinflated at the factory for shipping purposes. Correct tire pressure is important for best cutting performance.

- Reduce tire pressure PSI shown in "PRODUCT SPECIFICATION on page 3 of this manual.

CHECK DECK LEVELNESS

For best cutting results, mower housing should be properly leveled. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.

CHECK FOR PROPER POSITION OF ALL BELTS

See the figures that are shown for replacing motion and mower blade drive belts in the Service and Adjustments section of this manual. Verify that the belts are routed correctly.

CHECK BRAKE SYSTEM

After you learn how to operate your tractor, check to see that the brake is properly adjusted. See "TO ADJUST BRAKE" in the Service and Adjustments section of this manual.

ASSEMBLY

INSTALL BATTERY (See Figs. 4 & 5)

CAUTION: Do not short battery terminals. Before installing battery, remove metal bracelets, wristwatch bands, rings, etc.

Positive terminal must be connected first to prevent sparking from accidental grounding.

- Lift seat to raised position.
- Open battery box door.
- Be sure battery drain tube is attached to battery box.
- Lower battery into battery box with battery terminals toward front of unit.
- First connect RED battery cable to positive (+) battery terminal with hex bolt, flat washer, lock washer and hex nut as shown. Tighten securely.
- Connect BLACK grounding cable to negative (-) battery terminal with remaining hex bolt, flat washer, lock washer and hex nut. Tighten securely.
- Close battery box door.

Open battery box door for:

- Inspection for secure connections (to tighten hardware).
- Inspection for corrosion.
- Testing battery.
- Jumping (if required).
- Periodic charging .

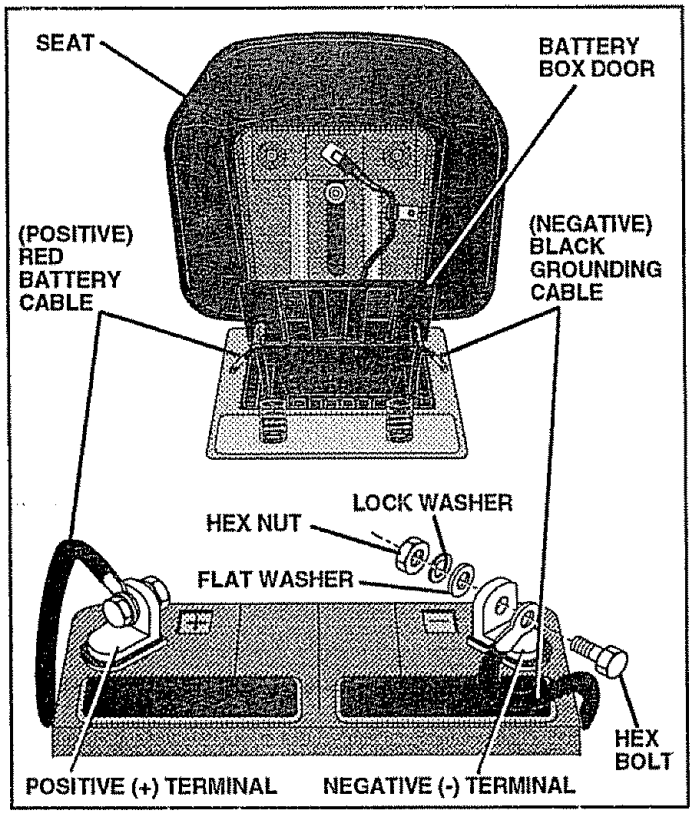


FIG. 4

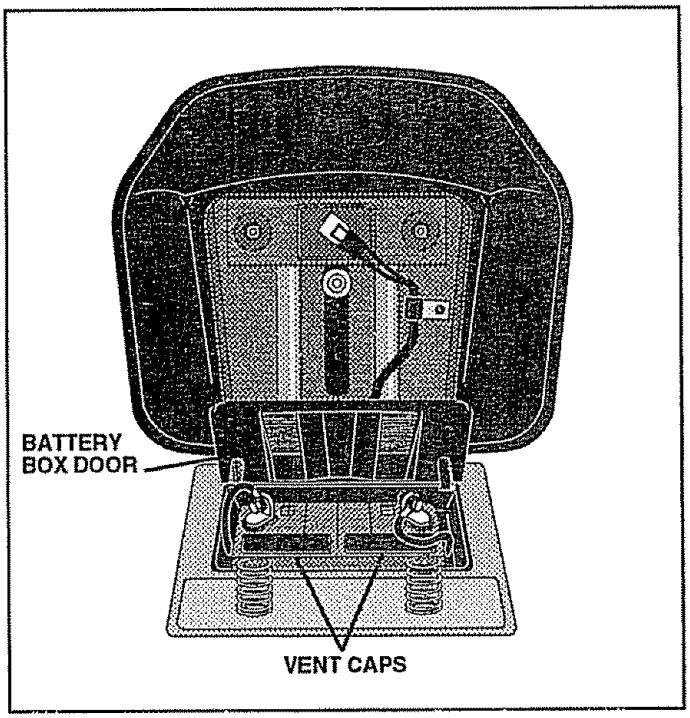


FIG. 5

✓CHECKLIST

BEFORE YOU OPERATE AND ENJOY YOUR NEW TRACTOR, WE WISH TO ASSURE THAT YOU RECEIVE THE BEST PERFORMANCE AND SATISFACTION FROM THIS QUALITY PRODUCT.

PLEASE REVIEW THE FOLLOWING CHECKLIST:

- ✓ All assembly instructions have been completed.
- ✓ No remaining loose parts in carton.
- ✓ Battery is properly prepared and charged. (Minimum 1 hour at 6 amps).
- ✓ Seat is adjusted comfortably and tightened securely.
- ✓ All tires are properly inflated. (For shipping purposes, the tires were overinflated at the factory).
- ✓ Be sure mower deck is properly leveled side-to-side/ front-to-rear for best cutting results. (Tires must be properly inflated for leveling).
- ✓ Check mower and drive belts. Be sure they are routed properly around pulleys and inside all belt keepers.
- ✓ Check wiring. See that all connections are still secure and wires are properly clamped.

WHILE LEARNING HOW TO USE YOUR TRACTOR, PAY EXTRA ATTENTION TO THE FOLLOWING IMPORTANT ITEMS:

- ✓ Engine oil is at proper level.
- ✓ Fuel tank is filled with fresh, clean, regular unleaded gasoline.
- ✓ Become familiar with all controls - their location and function. Operate them before you start the engine.
- ✓ Be sure brake system is in safe operating condition.

OPERATION

KNOW YOUR TRACTOR

READ THIS OWNER'S MANUAL AND SAFETY RULES BEFORE OPERATING YOUR TRACTOR

Compare the illustrations with your tractor to familiarize yourself with the locations of various controls and adjustments. Save this manual for future reference.

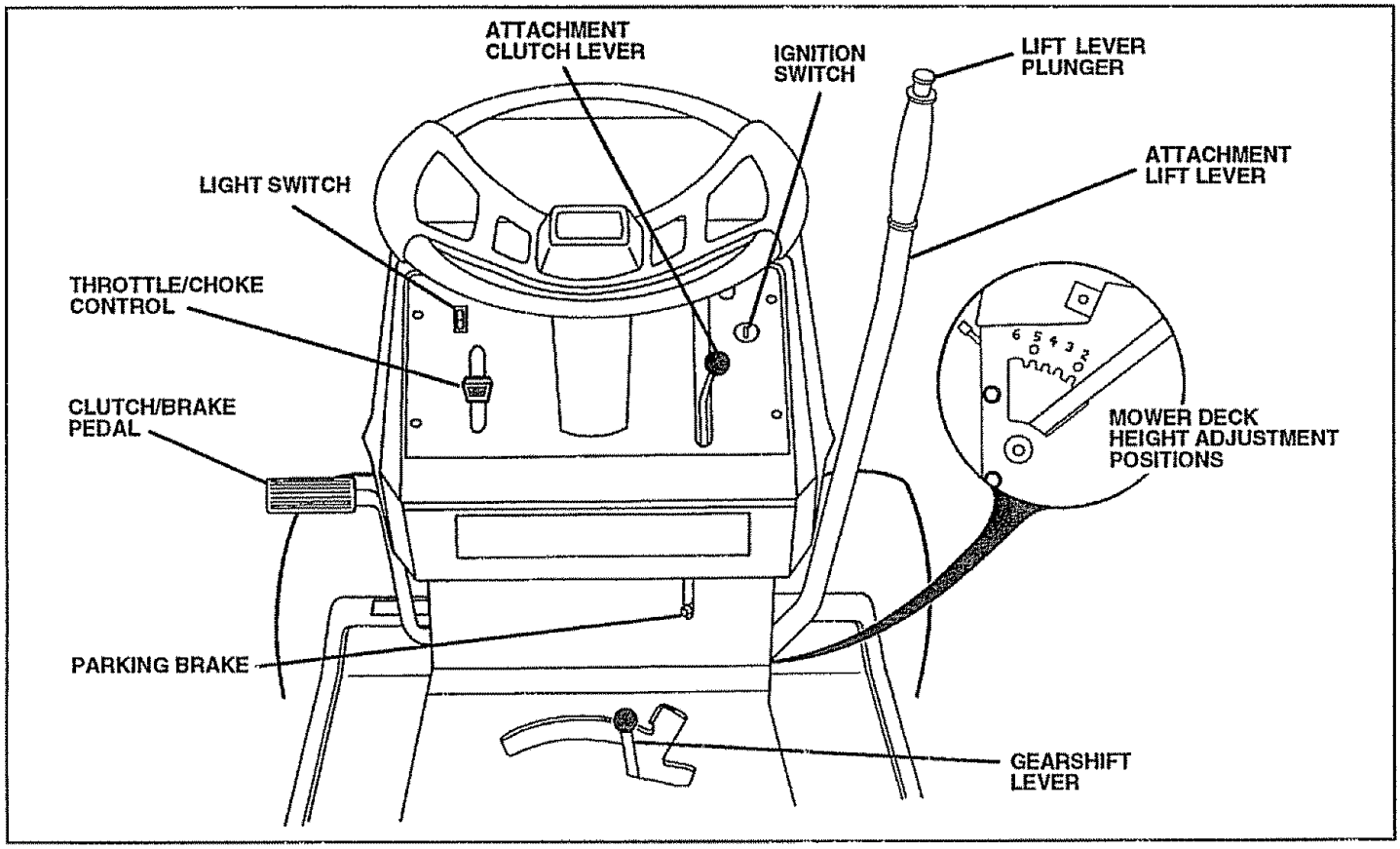


FIG. 6

Sears tractors conform to the safety standards of the American National Standards Institute.

ATTACHMENT CLUTCH LEVER: Used to engage the mower blades, or other attachments mounted to your tractor.

LIGHT SWITCH: Turns the headlights on and off.

THROTTLE/CHOKE CONTROL: Used for starting and controlling engine speed.

CLUTCH/BRAKE PEDAL: Used for declutching and braking the tractor and starting the engine.

PARKING BRAKE: Locks clutch/brake pedal into the brake position.

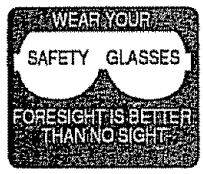
GEARSHIFT LEVER: Selects the speed and direction of tractor.

ATTACHMENT LIFT LEVER: Used to raise, lower, and adjust the mower deck or other attachments mounted to your tractor.

LIFT LEVER PLUNGER: Used to release attachment lift lever when changing its position.

IGNITION SWITCH: Used for starting and stopping the engine.

OPERATION



The operation of any tractor can result in foreign objects thrown into the eyes, which can result in severe eye damage. Always wear safety glasses or eye shields while operating your tractor or performing any adjustments or repairs. We recommend wide vision safety mask for over the spectacles or standard safety glasses, available at Sears Retail or Catalog stores.

HOW TO USE YOUR TRACTOR

TO SET PARKING BRAKE (See Fig. 7)

- Depress clutch/brake pedal into full "BRAKE" position and hold.
- Place parking brake lever in "ENGAGED" position and release pressure from clutch/brake pedal. Pedal should remain in "BRAKE" position. Make sure parking brake will hold vehicle secure.

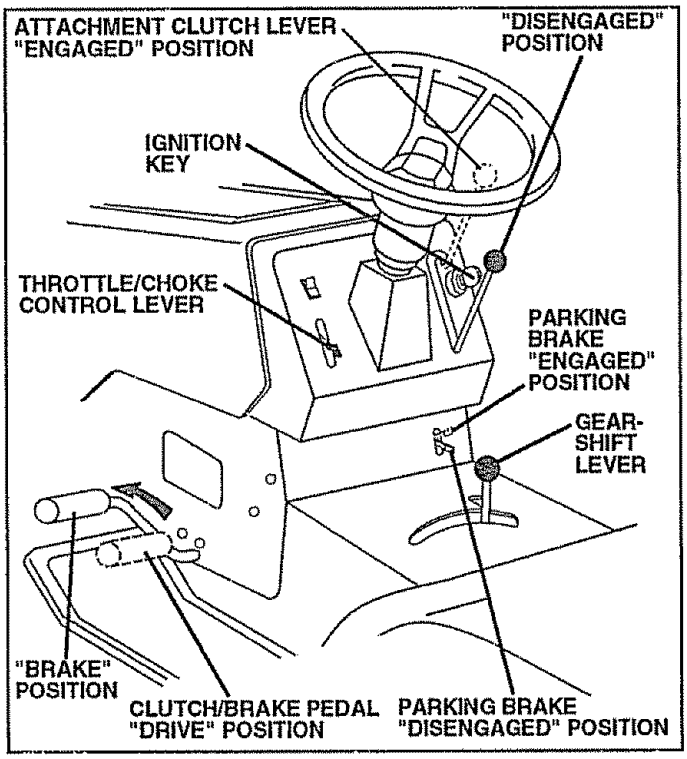


FIG. 7

STOPPING (See Fig. 7)

MOWER BLADES -

- Move attachment clutch lever to "DISENGAGED" position.

GROUND DRIVE -

- Depress clutch/brake pedal into full "BRAKE" position.
- Move gearshift lever to "NEUTRAL" position.

ENGINE -

- Move throttle control to "SLOW" position.

NOTE: Failure to move throttle control to "SLOW" position and allowing engine to idle before stopping may cause engine to "backfire".

- Turn ignition key to "OFF" position and remove key. Always remove key when leaving vehicle to prevent unauthorized use.
- Never use choke to stop engine.

NOTE: Under certain conditions when unit is standing idle with the engine running, hot engine exhaust gases may cause "browning" of grass. To eliminate this possibility, always stop engine when stopping unit on grass areas.

CAUTION: Always stop unit completely, as described above, before leaving the operator's position; to empty grass catcher, etc.

TO USE THROTTLE CONTROL (See Fig. 7)

Always operate engine at full throttle.

- Operating engine at less than full throttle reduces the battery charging rate.
- Full throttle offers the best bagging and mower performance.

TO MOVE FORWARD AND BACKWARD (See Fig. 6)

The direction and speed of movement is controlled by the gearshift lever.

- Start tractor with clutch/brake pedal depressed and gearshift lever in "NEUTRAL" position.
- Move gearshift lever to desired position.
- Slowly release clutch/brake pedal to start movement.

IMPORTANT: BRING TRACTOR TO A COMPLETE STOP BEFORE SHIFTING OR CHANGING GEARS. FAILURE TO DO SO WILL SHORTEN THE USEFUL LIFE OF YOUR TRANSAXLE.

TO ADJUST MOWER CUTTING HEIGHT (See Fig. 6)

The position of the attachment lift lever determines the cutting height.

- Grasp lift lever.
- Press plunger with thumb and move lever to desired position.

The cutting height range is approximately 1-1/2 to 4". The heights are measured from the ground to the blade tip with the engine not running. These heights are approximate and may vary depending upon soil conditions, height of grass and types of grass being mowed.

- The average lawn should be cut to approximately 2-1/2 inches during the cool season and to over 3 inches during hot months. For healthier and better looking lawns, mow often and after moderate growth.
- For best cutting performance, grass over 6 inches in height should be mowed twice. Make the first cut relatively high; the second to desired height.

OPERATION

TO OPERATE MOWER (See Fig. 8)

Your unit is equipped with an operator presence sensing switch. Any attempt by the operator to leave the seat with the engine running and the attachment clutch engaged will shut off the engine.

- Select desired height of cut.
- Start mower blades by engaging attachment clutch control.
- TO STOP MOWER BLADES - Disengage attachment clutch control.

CAUTION: Do not operate the mower without either the entire grass catcher, on mowers so equipped, or the discharge guard in place.

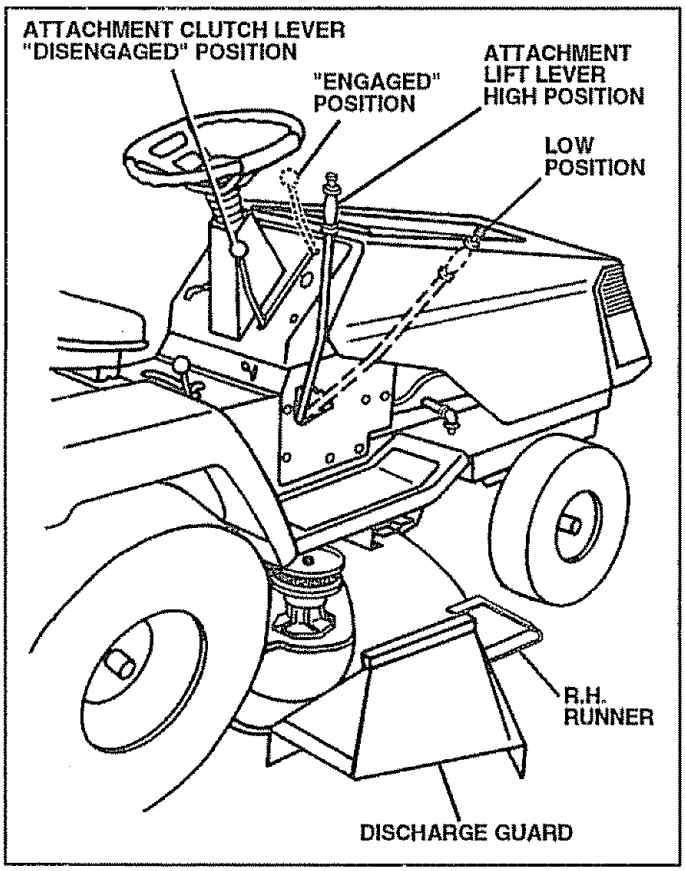


FIG. 8

TO OPERATE ON HILLS

CAUTION: Do not drive up or down hills with slopes greater than 15° and do not drive across any slope.

- Choose the slowest speed before starting up or down hills.
- Avoid stopping or changing speed on hills.
- If slowing is necessary, move throttle control lever to slower position.
- If stopping is absolutely necessary, push clutch/brake pedal quickly to brake position and engage parking brake.
- Move gearshift lever to 1st gear and be sure you have allowed room for tractor to roll slightly as you restart movement.
- To restart movement, slowly release parking brake and clutch/brake pedal.
- Make all turns slowly.

TO TRANSPORT

- Raise attachment lift lever to highest position.
- When pushing or towing your unit, be sure gearshift lever is in "NEUTRAL" position.
- Do not push or tow unit at more than five (5) MPH.

BEFORE STARTING THE ENGINE

CHECK ENGINE OIL LEVEL (See Fig. 13)

- The engine in your unit has been shipped, from the factory, already filled with summer weight oil.
- Check engine oil with unit on level ground.
- Remove oil fill dipstick and wipe clean, replace and screw cap tight, wait for a few seconds, remove and read oil level. If necessary, add oil until "FULL" mark on dipstick is reached. Do not overfill.
- For cold weather operation you should change oil for easier starting (see "OIL VISCOSITY CHART" in the Customer Responsibilities section of this manual).
- To change engine oil, see the Customer Responsibilities section in this manual.

ADD GASOLINE

- Fill fuel tank. Use fresh, clean, regular unleaded gasoline. (Use of leaded gasoline will increase carbon and lead oxide deposits and reduce valve life).

IMPORTANT: WHEN OPERATING IN TEMPERATURES BELOW 32°F(0°C), USE FRESH, CLEAN WINTER GRADE GASOLINE TO HELP INSURE GOOD COLD WEATHER STARTING.

WARNING: Experience indicates that alcohol blended fuels (called gasohol or using ethanol or methanol) can attract moisture which leads to separation and formation of acids during storage. Acidic gas can damage the fuel system of an engine while in storage. To avoid engine problems, the fuel system should be emptied before storage of 30 days or longer. Drain the gas tank, start the engine and let it run until the fuel lines and carburetor are empty. Use fresh fuel next season. See Storage Instructions for additional information. Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.

CAUTION: Fill to bottom of gas tank filler neck. Do not overfill. Wipe off any spilled oil or fuel. Do not store, spill or use gasoline near an open flame.

OPERATION

TO START ENGINE (See Fig. 7)

When starting engine for the first time or if engine has run out of fuel, it will take extra cranking time to move fuel from the tank to the engine.

- Depress the clutch/brake pedal and set the parking brake.
- Place gearshift lever in "NEUTRAL" position.
- Move attachment clutch to "DISENGAGED" position.
- Move throttle control lever to "CHOKE" position for cold engine start. For warm engine start, move throttle control to "FAST" position.
- Insert key into ignition and turn key clockwise to "START" position and release key as soon as engine starts. Do not run starter continuously for more than fifteen seconds per minute. If engine does not start after several attempts, move throttle control to "FAST" position, wait a few minutes and try again.
- When engine starts, move throttle control to desired position.
- Allow engine to warm up for a few minutes before engaging drive or attachments.

NOTE: If at a high altitude (above 3000 feet) or in cold temperatures (below 32° F), the carburetor fuel mixture may need to be adjusted for best engine performance. See "TO ADJUST CARBURETOR" in the Service and Adjustments section of this manual.

MOWING TIPS

- Tire chains cannot be used when the mower housing is attached to unit.
- Mower should be properly leveled for best mowing performance. See "TO LEVEL MOWER HOUSING" in the Service and Adjustments section of this manual.
- Use the runner on the right hand side of mower as a guide. The blade cuts approximately an inch outside the runner (See Fig. 8).
- The left hand side of mower should be used for trimming.
- Drive so that clippings are discharged onto the area that has been cut. Have the cut area to the right of the machine. This will result in a more even distribution of clippings and more uniform cutting.
- When mowing large areas, start by turning to the right so that clippings will discharge away from shrubs, fences, driveways, etc. After one or two rounds, mow in the opposite direction making left hand turns until finished (See Fig. 9).

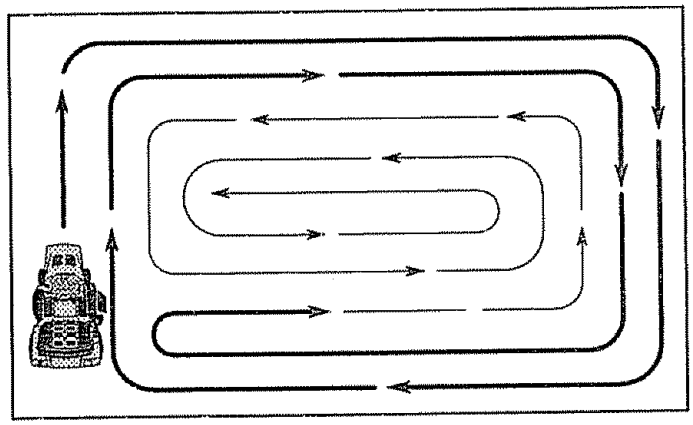


FIG. 9

- If grass is extremely tall, it should be mowed twice to reduce load and possible fire hazard from dried clippings. Make first cut relatively high; the second to the desired height.
- Do not mow grass when it is wet. Wet grass will plug mower and leave undesirable clumps. Allow grass to dry before mowing.
- Always operate engine at full throttle when mowing to assure better mowing performance and proper discharge of material. Regulate ground speed by selecting a low enough gear to give the mower cutting performance as well as the quality of cut desired.
- When operating attachments, select a ground speed that will suit the terrain and give best performance of the attachment being used.

CUSTOMER RESPONSIBILITIES

MAINTENANCE SCHEDULE FILL IN DATES AS YOU COMPLETE REGULAR SERVICE		BEFORE EACH USE	FIRST 2 HOURS	EVERY 8 HOURS	EVERY 25 HOURS	EVERY 50 HOURS	EVERY 100 HOURS	EVERY SEASON	BEFORE STORAGE	SERVICE DATES				
TRACTOR	Check Brake Operation	✓		✓										
	Check Tire Pressure	✓		✓										
	Check for Loose Fasteners	✓						✓						
	Sharpen/Replace Mower Blades				✓4									
	Lubrication Chart				✓			✓						
	Check Battery Level/Recharge				✓									
	Clean Battery and Terminals				✓			✓						
	Check Transmission Cooling				✓									
	Adjust Blade Belt(s) Tension						✓5							
	Adjust Motion Drive Belt(s) Tension						✓5							
ENGINE	Check Engine Oil Level	✓		✓										
	Change Engine Oil		✓		✓1,2,3			✓						
	Clean Air Filter				✓2									
	Clean Air Screen				✓2									
	Inspect Muffler/Spark Arrester					✓								
	Replace Oil Filter (If equipped)						✓1,2							
	Clean Engine Cooling Fins						✓2							
	Replace Spark Plug						✓	✓						
	Replace Air Filter Paper Cartridge						✓2							
	Replace Fuel Filter							✓						

1 - Change more often when operating under a heavy load or in high ambient temperatures.
2 - Service more often when operating in dirty or dusty conditions.
3 - If equipped with oil filter, change oil every 50 hours.
4 - Replace blades more often when mowing in sandy soil.
5 - If equipped with adjustable system.

GENERAL RECOMMENDATIONS

The warranty on this tractor does not cover items that have been subjected to operator abuse or negligence. To receive full value from the warranty, operator must maintain tractor as instructed in this manual.

Some adjustments will need to be made periodically to properly maintain your tractor.

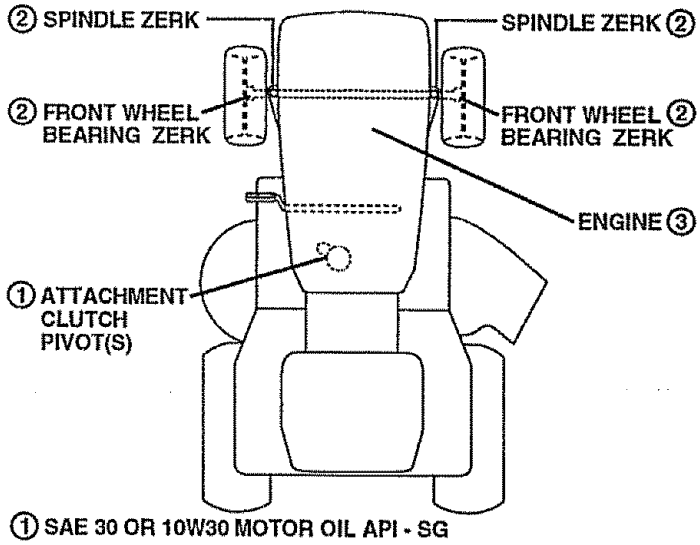
All adjustments in the Service and Adjustments section of this manual should be checked at least once each season.

- Once a year you should replace the spark plug, clean or replace air filter, and check blades and belts for wear. A new spark plug and clean air filter assure proper air-fuel mixture and help your engine run better and last longer.

BEFORE EACH USE

- Check engine oil level.
- Check brake operation.
- Check tire pressure.
- Check for loose fasteners.

LUBRICATION CHART



① SAE 30 OR 10W30 MOTOR OIL API - SG
② GENERAL PURPOSE GREASE
③ REFER TO CUSTOMER RESPONSIBILITIES "ENGINE" SECTION

IMPORTANT: DO NOT OIL OR GREASE THE PIVOT POINTS WHICH HAVE SPECIAL NYLON BEARINGS. VISCOUS LUBRICANTS WILL ATTRACT DUST AND DIRT THAT WILL SHORTEN THE LIFE OF THE SELF-LUBRICATING BEARINGS. IF YOU FEEL THEY MUST BE LUBRICATED, USE ONLY A DRY, POWDERED GRAPHITE TYPE LUBRICANT SPARINGLY.

CUSTOMER RESPONSIBILITIES

TRACTOR

Always observe safety rules when performing any maintenance.

BRAKE OPERATION

If unit requires more than six (6) feet stopping distance at high speed in highest gear, than brake must be adjusted. (See "TO ADJUST BRAKE" in Service and Adjustments section of this manual).

TIRES

- Maintain proper air pressure in all tires (See "PRODUCT SPECIFICATIONS" on page 3 of this manual).
- Keep tires free of gasoline, oil, or insect control chemicals which can harm rubber.
- Avoid stumps, stones, deep ruts, sharp objects and other hazards that may cause tire damage.

BLADE CARE

For best results mower blades must be kept sharp. Replace bent or damaged blades.

BLADE REMOVAL (See Fig. 10)

- Raise mower to highest position to allow access to blades.
- Remove hex bolt, lock washer and flat washer securing blade.
- Install new or resharpened blade with trailing edge up towards deck as shown.
- Reassemble hex bolt, lock washer and flat washer in exact order as shown.
- Tighten bolt securely (30-35 Ft. Lbs. torque).

IMPORTANT: BLADE BOLT IS GRADE 8 HEAT TREATED.

NOTE: We do not recommend sharpening blade - but if you do, be sure the blade is balanced.

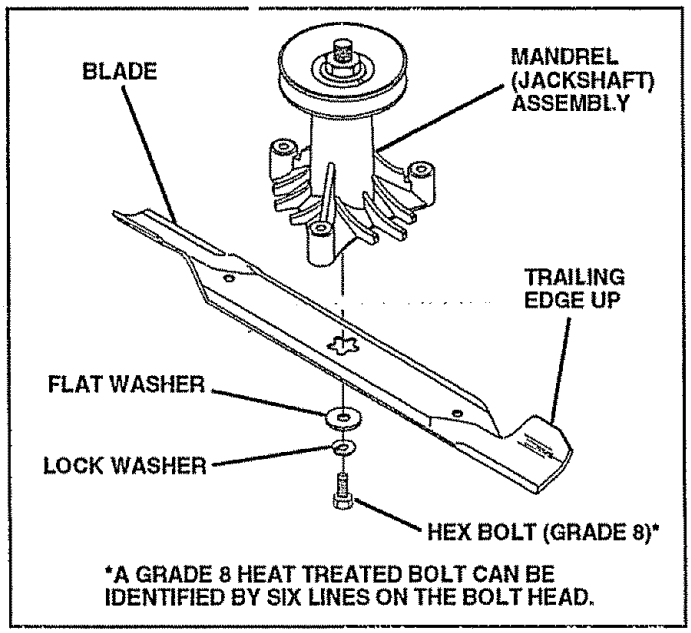

BLADE
MANDREL (JACKSHAFT) ASSEMBLY
TRAILING EDGE UP
FLAT WASHER
LOCK WASHER
HEX BOLT (GRADE 8)*
*A GRADE 8 HEAT TREATED BOLT CAN BE IDENTIFIED BY SIX LINES ON THE BOLT HEAD.

FIG. 10

TO SHARPEN BLADE (See Fig. 11)

Care should be taken to keep the blade balanced. An unbalanced blade will cause excessive vibration and eventual damage to mower and engine.

- The blade can be sharpened with a file or on a grinding wheel. Do not attempt to sharpen while on the mower.
- To check blade balance, you will need a 5/8" diameter steel bolt, pin, or a cone balancer. (When using a cone balancer, follow the instructions supplied with balancer).
- Slide blade on to an unthreaded portion of the steel bolt or pin and hold the bolt or pin parallel with the ground. If blade is balanced, it should remain in a horizontal position. If either end of the blade moves downward, sharpen the heavy end until the blade is balanced.

NOTE: Do not use a nail for balancing blade. The lobes of the center hole may appear to be centered, but are not.

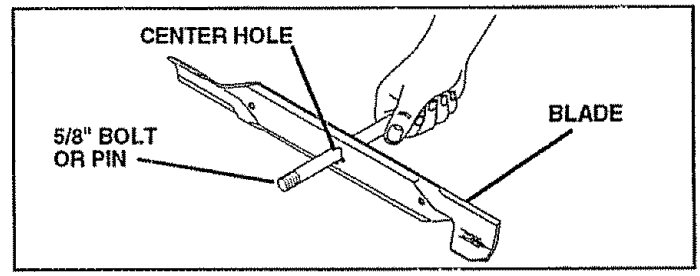


FIG. 11

BATTERY (See Fig. 12)

Your unit has a battery charging system which is sufficient for normal use. However, periodic charging of the battery with an automotive charger will extend its life.

- Acid solution level in each battery cell should be even with bottoms of vent wells. Add only distilled or iron free water if necessary. Do not overfill.

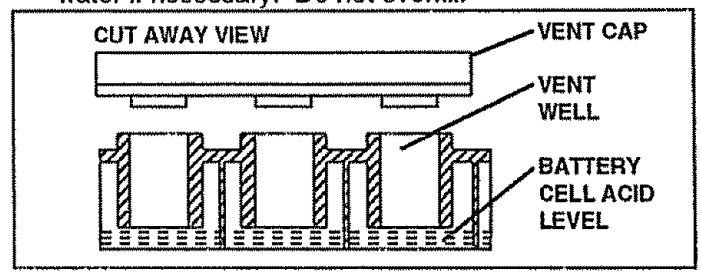


FIG. 12

- Keep battery and terminals clean.
- Keep battery bolts tight.
- Keep vent caps tight and small vent holes in caps open.
- Recharge at 6 amperes for 1 hour.

TO CLEAN BATTERY AND TERMINALS -
Corrosion and dirt on the battery and terminals can cause the battery to "leak" power.

- Open battery box door.
- Disconnect BLACK battery cable first then RED battery cable and remove battery from tractor.
- Wash battery with solution of four tablespoons of baking soda to one gallon of water. Be careful not to get the soda solution into the cells.
- Rinse the battery with plain water and dry.
- Clean terminals and battery cable ends with wire brush until bright.
- Coat terminals with grease or petroleum jelly.
- Reinstall battery (See "INSTALL BATTERY" in the Assembly section of this manual).

CUSTOMER RESPONSIBILITIES

V-BELTS

Check V-belts for deterioration and wear after 100 hours and replace if necessary. The belts are not adjustable. Replace belts if they begin to slip from wear.

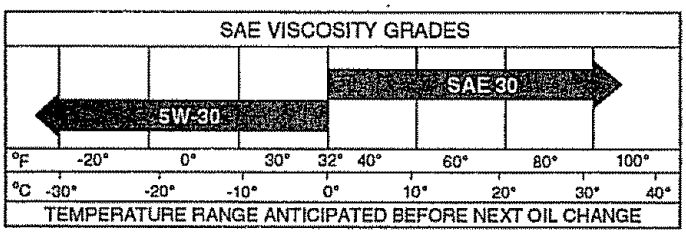
TRANSAXLE COOLING

Keep transaxle free from build-up of dirt and chaff which can restrict cooling.

ENGINE

LUBRICATION

Only use high quality detergent oil rated with API service classification SG. Select the oil's SAE viscosity grade according to your expected operating temperature.


SAE VISCOSITY GRADES
5W-30
SAE 30
°F -20° 0° 30° 32° 40° 60° 80° 100°
°C -30° -20° -10° 0° 10° 20° 30° 40°
TEMPERATURE RANGE ANTICIPATED BEFORE NEXT OIL CHANGE

NOTE: Although multi-viscosity oils (5W30, 10W30, etc.) improve starting in cold weather, these multi-viscosity oils will result in increased oil consumption when used aboe 32°C. Check your engine oil level more frequently to avoid possible engine damage from running low on oil.

Change the oil after the first two hours of operation and every 25 hours thereafter or at least once a year if the tractor is not used for 25 hours in one year.

Check the crankcase oil level before starting the engine and after each eight (8) hours of continuous use. Tighten oil fill cap/dipstick securely each time you check the oil level.

TO CHANGE ENGINE OIL (See Fig. 13)

Determine temperature range expected before oil change. All oil must meet API service classification SG.

- Be sure vehicle is on level surface.
- Oil will drain more freely when warm.
- Catch oil in a suitable container.
- Remove oil fill dipstick. Be careful not to allow dirt to enter the engine when changing oil.
- Remove drain plug.
- After oil has drained completely, replace oil drain plug and tighten securely.
- Refill engine with oil through oil fill dipstick tube. Pour slowly. Do not overfill. For approximate capacity see Product Specifications on page 3 of this manual.
- Use gauge on oil fill dipstick for checking level. Be sure dipstick cap is tightened securely for accurate reading. Keep oil at "FULL" line on dipstick.

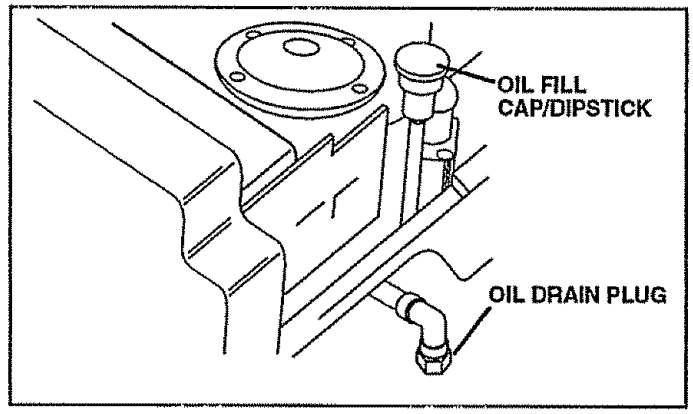


FIG. 13

AIR FILTER (See Fig. 14)

Your engine will not run properly using a dirty air filter. Clean the foam pre-cleaner element after every 25 hours of operation or every season. Service paper cartridge every 100 hours or every season, whichever occurs first.

Service air cleaner more often under dusty conditions.

- Remove knob(s) and cover.

TO SERVICE PRE-CLEANER

- Slide foam pre-cleaner off cartridge.
- Wash it in liquid detergent and water.
- Squeeze it dry in a clean cloth.
- Saturate it in engine oil. Wrap it in clean, absorbent cloth and squeeze to remove excess oil.
- Reinstall pre-cleaner over cartridge.
- Reinstall cover and secure with knob(s).

TO SERVICE CARTRIDGE

- Remove cartridge nut.
- Remove cartridge and clean by tapping gently on flat surface.
- If very dirty, replace or wash in a nonsudsing detergent and warm water solution. Rinse thoroughly with water from inside out until water runs clear. Let cartridge dry thoroughly before using.
- Reinstall cartridge, nut, precleaner, cover and secure with knob(s).

IMPORTANT: PETROLEUM SOLVENTS, SUCH AS KEROSENE, ARE NOT TO BE USED TO CLEAN THE CARTRIDGE. THEY MAY CAUSE DETERIORATION OF THE CARTRIDGE. DO NOT OIL CARTRIDGE. DO NOT USE PRESSURIZED AIR TO CLEAN OR DRY CARTRIDGE.

CUSTOMER RESPONSIBILITIES

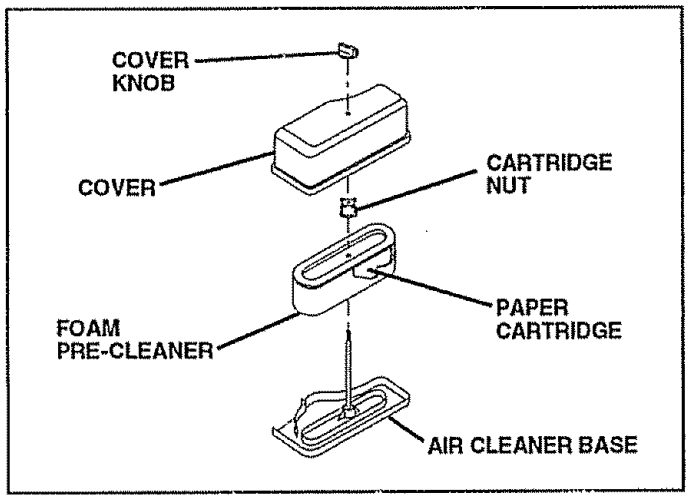


FIG. 14

AIR SCREEN (See Fig. 15)

The engine air screen must be kept free of dirt and chaff to prevent engine damage from overheating. Clean with a wire brush or compressed air to remove dirt and stubborn dried gum fibers.

ENGINE COOLING FINS (See Fig. 15)

Remove any dust, dirt or oil from engine cooling fins to prevent engine damage from overheating.

- Remove oil fill dipstick and cover opening to prevent entry of dirt.
- Remove screws from blower housing and lift housing off engine.
- Remove the screws securing the starter housing and lift housing off engine.
- Use compressed air or stiff bristle brush to thoroughly clean engine cooling fins.
- To reassemble, reverse above procedure.

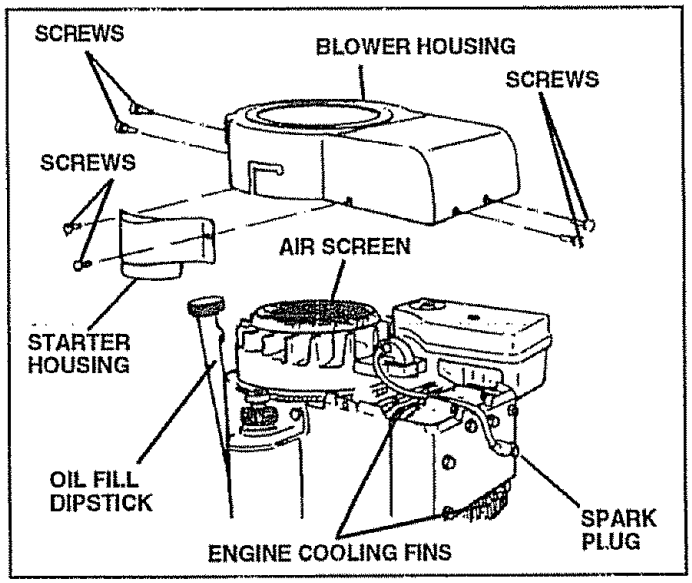


FIG. 15

MUFFLER

Inspect and replace corroded muffler and spark arrester (if equipped) as it could create a fire hazard and/or damage.

SPARK PLUGS

Replace spark plugs at the beginning of each mowing season or after every 100 hours of use, whichever comes first. Spark plug type and gap setting is shown in "PRODUCT SPECIFICATIONS" on page 3 of this manual.

IN-LINE FUEL FILTER (See Fig. 16)

Fuel filter should be replaced once each season. If fuel filter becomes clogged, obstructing fuel flow to carburetor, replacement is required.

- With engine cool, remove filter and plug fuel line sections.
- Place new fuel filter in position in fuel line.
- Be sure there are no fuel line leaks and clamps are properly positioned.
- Immediately wipe up any spilled gasoline.

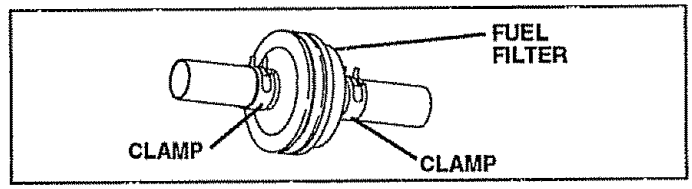


FIG. 16

CLEANING

- Clean engine, battery, seat, finish, etc. of all foreign matter.
- Keep finished surfaces and wheels free of all gasoline, oil, etc.
- Protect painted surfaces with automotive type wax.

We do not recommend using a garden hose to clean your unit unless the electrical system, muffler, air filter and carburetor are covered to keep water out. Water in engine can result in a shortened engine life.

SERVICE AND ADJUSTMENTS

CAUTION: BEFORE PERFORMING ANY SERVICE OR ADJUSTMENTS:

- Depress clutch/brake pedal fully and set parking brake.
- Place gearshift lever in "NEUTRAL" position.
- Place attachment clutch in "DISENGAGED" position.
- Turn ignition key "OFF" and remove key.
- Make sure the blades and all moving parts have completely stopped.
- Disconnect spark plug wire from spark plug and place wire where it cannot come in contact with plug.

TO REMOVE MOWER (See Fig. 17)

Mower will be easier to remove from the right side of tractor.

- Place attachment clutch in "DISENGAGED" position.
- Move attachment lift lever forward to lower mower to its lowest position.
- Roll belt off engine pulley.
- Disconnect clutch rod from clutch lever by removing retainer spring.
- Disconnect anti-sway bar from chassis bracket by removing retainer spring.
- Disconnect suspension arms from rear deck brackets by removing retainer springs.
- Disconnect front links from deck by removing retainer springs.
- Raise lift lever to raise suspension arms. Slide mower out from under tractor.

IMPORTANT: IF AN ATTACHMENT OTHER THAN THE MOWER IS TO BE MOUNTED TO THE TRACTOR, THE R.H. AND L.H. SUSPENSION ARMS MUST BE REMOVED FROM TRACTOR.

TO INSTALL MOWER (See Fig. 17)

- Raise attachment lift lever to its highest position.
- Slide mower under tractor with discharge guard to right side of tractor.
- Lower lift lever to its lowest position.
- Install mower in reverse order of removal instructions.

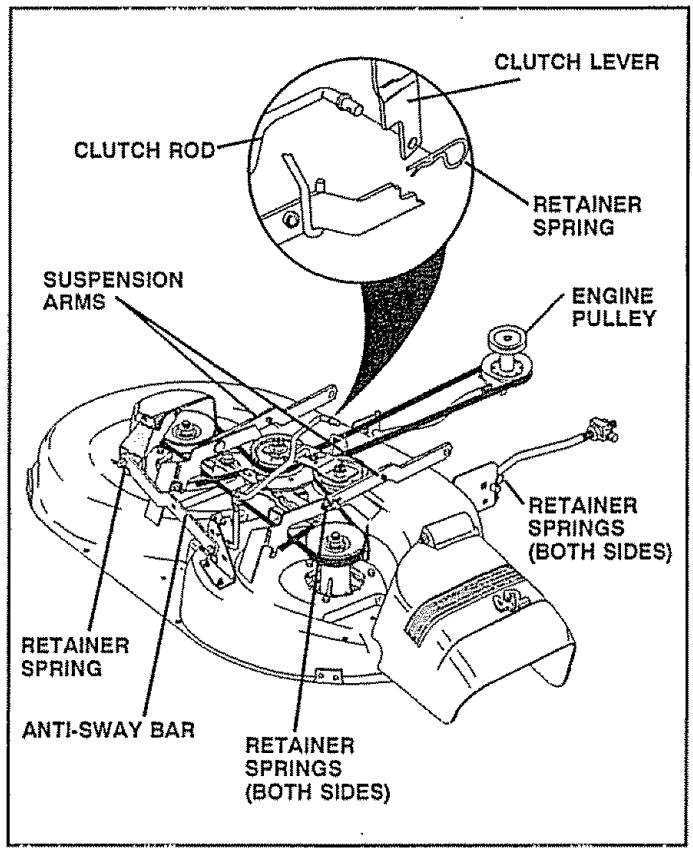


FIG. 17

SERVICE AND ADJUSTMENTS

TO LEVEL MOWER HOUSING

Adjust the mower while tractor is parked on level ground or driveway. Make sure tires are properly inflated (See "PRODUCT SPECIFICATIONS" on page 3). If tires are over or under inflated, you will not properly adjust your mower.

SIDE-TO-SIDE ADJUSTMENT (See Figs. 18 and 19)

You will need two (2) standard 2 x 4 short pieces of wood to make the following adjustment. Similar blocks measuring 1-1/2" thick may also be used.

- Raise mower with attachment lift control to allow two (2) 1-1/2" thick blocks to be placed under rear edge of mower.
- Place one block directly behind the left mandrel. Place the remaining block under the stamped ridge on the right rear edge of mower deck.
- Lower mower deck to its lowest height of cut position (See "TO ADJUST MOWER CUTTING HEIGHT" in Operation section of this manual).
- On both sides of tractor, loosen, but do not remove, the fasteners securing the adjustable pivot brackets to frame. Both brackets must be loose enough to move freely.
- Pull down firmly on suspension arm to remove any slack in pivot bracket and hold while tightening rear fastener first to secure. Tighten remaining fastener.
- Repeat procedure on other side of tractor.
- Raise mower with attachment lift control and remove blocks from under mower.

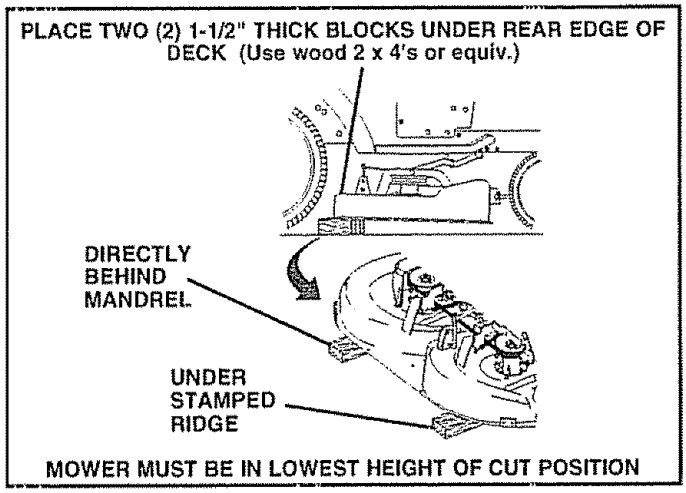

PLACE TWO (2) 1-1/2" THICK BLOCKS UNDER REAR EDGE OF DECK (Use wood 2 x 4's or equiv.)
DIRECTLY BEHIND MANDREL
UNDER STAMPED RIDGE
MOWER MUST BE IN LOWEST HEIGHT OF CUT POSITION

FIG. 18

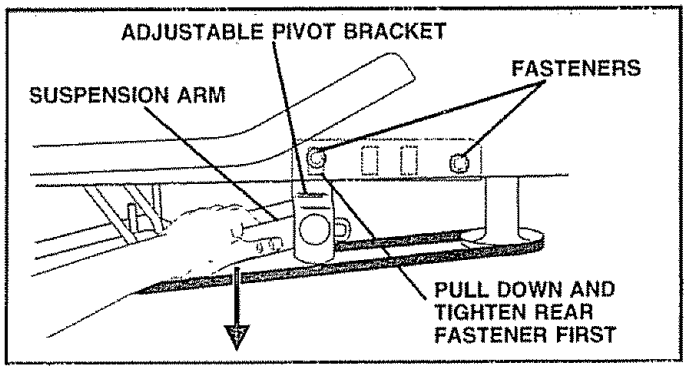


FIG. 19

FRONT-TO-BACK ADJUSTMENT (See Figs. 20 and 21)

IMPORTANT: DECK MUST BE LEVEL SIDE-TO-SIDE. IF THE FOLLOWING FRONT-TO-BACK ADJUSTMENT IS NECESSARY, BE SURE TO ADJUST BOTH FRONT LINKS EQUALLY SO MOWER WILL STAY LEVEL SIDE-TO-SIDE.

To obtain the best cutting results, the mower housing should be adjusted so that the front is approximately 1/4" to 3/4" lower than the rear when the mower is in its highest position.

Check adjustment on right side of tractor. Measure distance "D" directly in front and behind the mandrel at bottom edge of mower housing as shown.

- Before making any necessary adjustments, check that both front links are equal in length. Both links should be approximately 10-3/8".
- If links are not equal in length, adjust one link to same length as other link.
- To lower front of mower loosen nut "E" on both front links an equal number of turns.
- When distance "D" is 1/4" to 3/4" lower at front than rear, tighten nuts "F" against trunnion on both front links.
- To raise front of mower, loosen nut "F" from trunnion on both front links. Tighten nut "E" on both front links an equal number of turns.
- When distance "D" is 1/4" to 3/4" lower at front than rear, tighten nut "F" against trunnion on both front links.
- Recheck side-to-side adjustment.

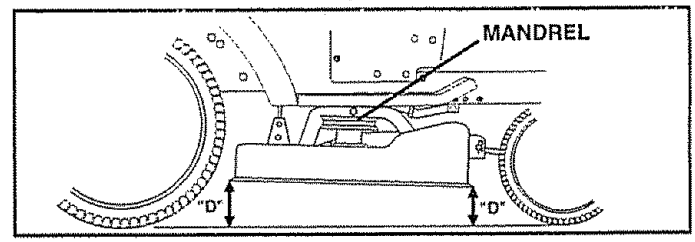


FIG. 20

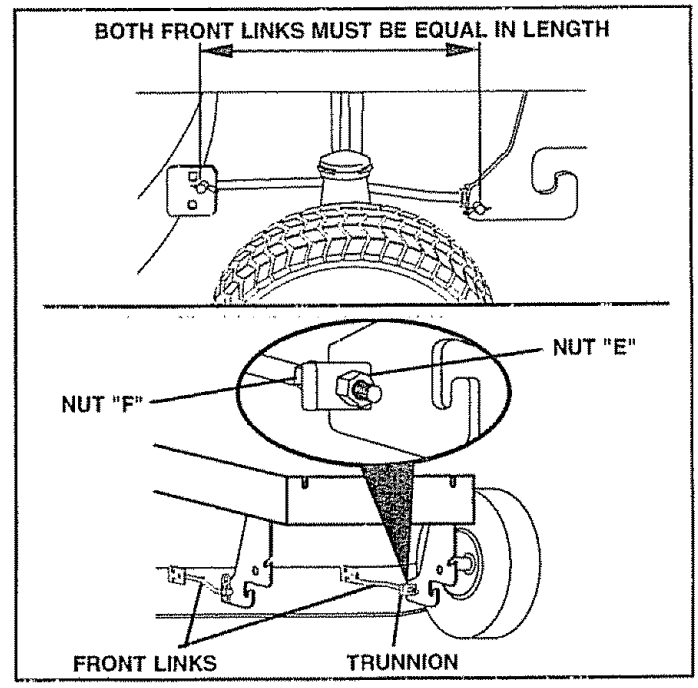


FIG. 21

SERVICE AND ADJUSTMENTS

TO REPLACE MOWER BLADE DRIVE BELT (See Fig. 22)

The mower blade drive belt may be replaced without tools. Park the tractor on level surface. Engage parking brake.

BELT REMOVAL -

- Place attachment clutch in "DISENGAGED" position.
- Move attachment lift lever forward to lower mower to its lowest position.
- Roll belt off engine pulley.
- Work belt off both mandrel pulleys and idler pulleys.
- Pull belt away from mower.

BELT INSTALLATION -

- Install new belt in reverse order of removal.
- Make sure belt is in all pulley grooves and inside all belt guides.

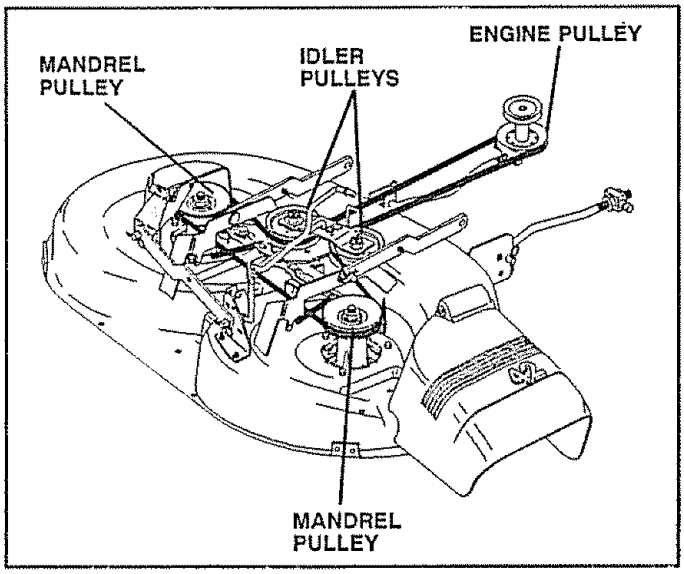


FIG. 22

TO ADJUST BRAKE (See Fig. 23)

Your unit is equipped with an adjustable brake system which is mounted on the right side of the transaxle.

If unit requires more than six (6) feet stopping distance at high speed in highest gear, then brake must be adjusted.

- Depress clutch/brake pedal and engage parking brake.
- Measure distance between brake operating arm and nut "A" on brake rod.
- If distance is other than 1-1/2", disengage parking brake, loosen jam nut and turn nut "A" until distance becomes 1-1/2". Retighten jam nut against nut "A".
- Engage parking brake and recheck distance.
- Road test unit for proper stopping distance as stated above. Readjust if necessary. If stopping distance is still greater than six (6) feet in highest gear, further maintenance is necessary. Contact your nearest authorized service center.

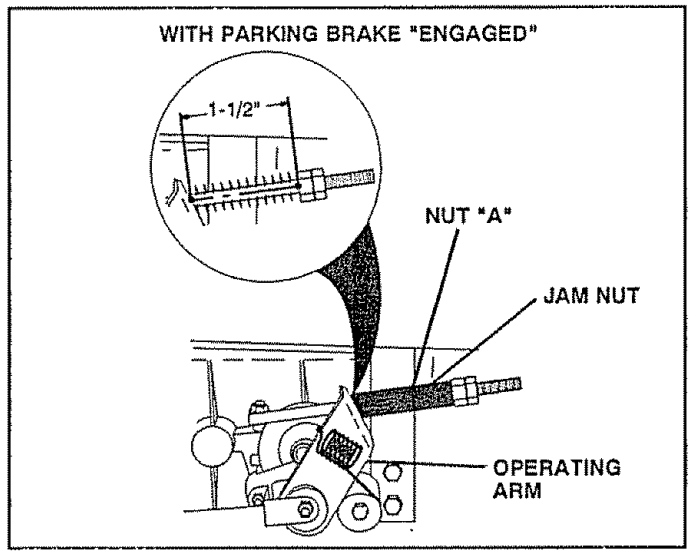


FIG. 23

TO REPLACE MOTION DRIVE BELT (See Fig. 24)

Park the tractor on level surface. Engage parking brake. For assistance, there is a belt installation guide decal on bottom side of left footrest.

- Remove mower (See "TO REMOVE MOWER" in this section of this manual.)
- Remove upper belt keeper.
- Remove belt from stationary idler and clutching idler.
- Pull belt slack toward rear of tractor. Remove belt upwards from transaxle pulley by deflecting belt keepers.
- Pull belt toward front of tractor and remove downwards from around engine pulley.
- Install new belt by reversing above procedure.

IMPORTANT: MAKE SURE UPPER BELT KEEPER IS POSITIONED PROPERLY BETWEEN LOCATOR TABS.

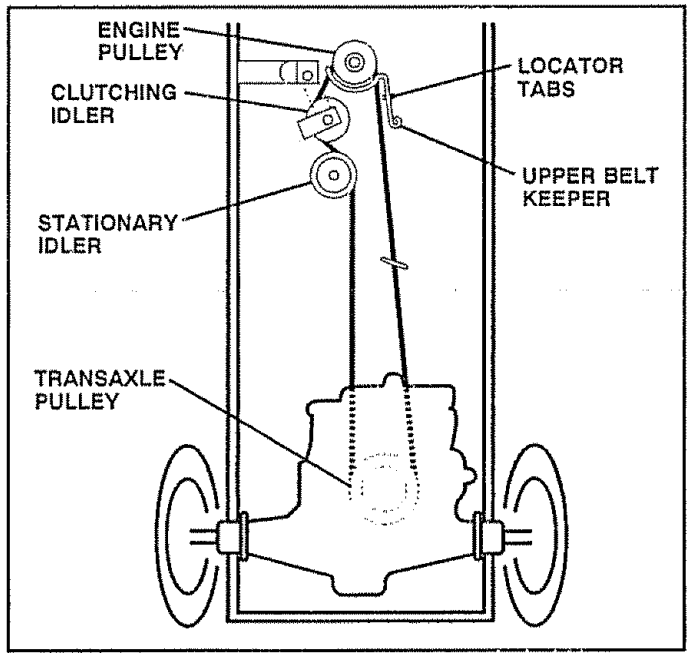


FIG. 24

TO ADJUST STEERING WHEEL ALIGNMENT

If steering wheel crossbars are not horizontal (left to right) when wheels are positioned straight forward, remove steering wheel and reassemble per instructions in the Assembly section of this manual.

FRONT WHEEL TOE-IN/CAMBER

The front wheel toe-in and camber are not adjustable on your tractor. If damage has occured to affect the front wheel toe-in or camber, contact your nearest authorized service center.

TO REMOVE WHEEL FOR REPAIRS (See Fig. 25)

- Block up axle securely.
- Remove axle cover, retaining ring and washers to allow wheel removal (rear wheel contains a square key - Do not lose).
- Repair tire and reassemble.
- On rear wheels only: align grooves in rear wheel hub and axle. Insert square key.
- Replace washers and snap retaining ring securely in axle groove.
- Replace axle cover.

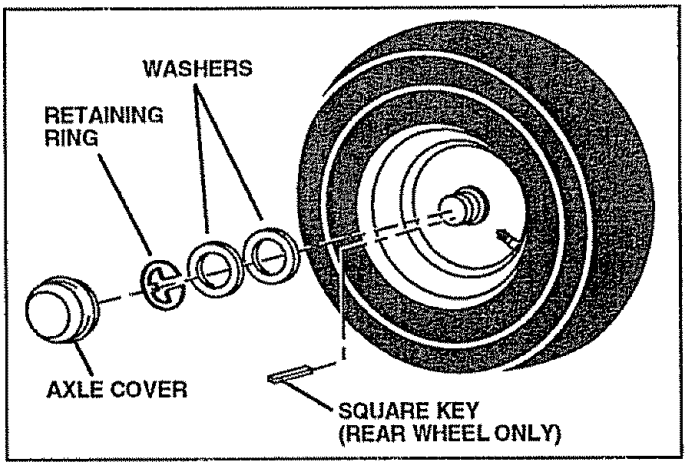


FIG. 25

TO START ENGINE WITH A WEAK BATTERY (See Fig. 26)

CAUTION: Lead-acid batteries generate explosive gases. Keep sparks, flame and smoking materials away from batteries. Always wear eye protection when around batteries.

If your battery is too weak to start the engine, it should be recharged. If "jumper cables" are used for emergency starting, follow this procedure:

IMPORTANT: YOUR UNIT IS EQUIPPED WITH A 12 VOLT NEGATIVE GROUNDED SYSTEM. THE OTHER VEHICLE MUST ALSO BE A 12 VOLT NEGATIVE GROUNDED SYSTEM. DO NOT USE YOUR TRACTOR BATTERY TO START OTHER VEHICLES.

TO ATTACH JUMPER CABLES -

- Connect each end of the RED cable to the POSITIVE (+) terminal of each battery, taking care not to short against chassis.
- Connect one end of the BLACK cable to the NEGATIVE (-) terminal of fully charged battery.
- Connect the other end of the BLACK cable to a good CHASSIS GROUND, away from fuel tank and battery.

TO REMOVE CABLES, REVERSE ORDER -

- BLACK cable first from chassis and then from the fully charged battery.
- RED cable last from both batteries.

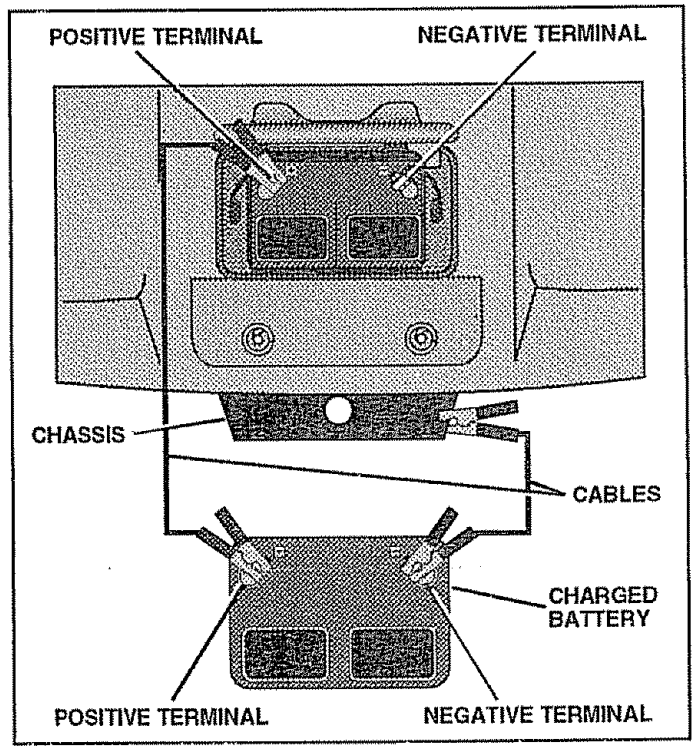


FIG. 26

SERVICE AND ADJUSTMENTS

TO REPLACE FUSE

Replace with 30 amp automotive-type plug-in fuse. The fuse holder is located in the engine compartment, directly in front of the dash.

TO REPLACE HEADLIGHT BULB

- Raise hood.
- Pull bulb holder out of the hole in the backside of the grill.
- Replace bulb in holder and push bulb holder securely back into the hole in the backside of the grill.
- Close hood.

INTERLOCKS AND RELAYS

Loose or damaged wiring may cause your tractor to run poorly, stop running or prevent it from starting.

- Check wiring. See electrical wiring diagram in Repair Parts section of this manual.

TO REMOVE HOOD AND GRILL (See Fig. 27)

- Raise hood.
- Unsnap headlight wire connector.
- Stand in front of tractor. Grasp hood at sides, tilt forward and lift off of tractor.
- To reinstall, slide hood pivot brackets into slots in frame.
- Reconnect headlight wire connector and close hood.

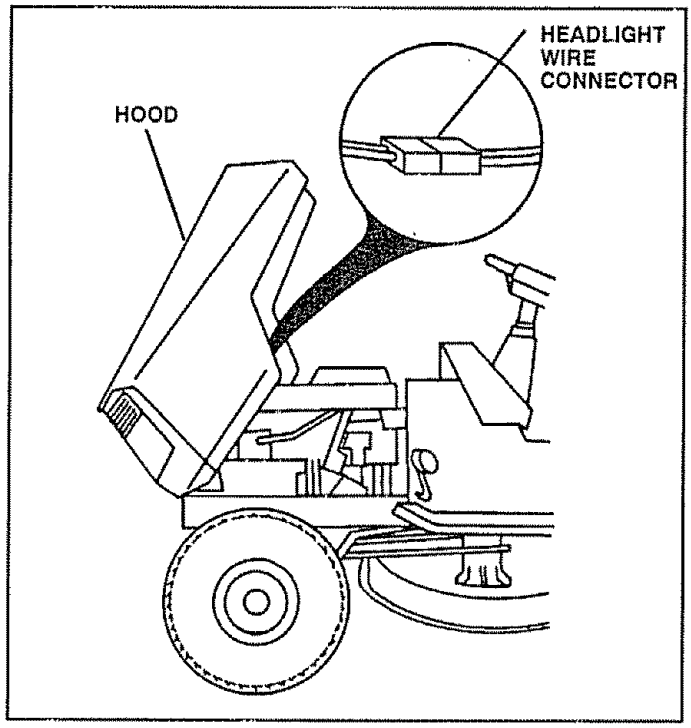


FIG. 27

SERVICE AND ADJUSTMENTS

ENGINE

TO ADJUST THROTTLE CONTROL CABLE (See Fig. 28)

The throttle control has been preset at the factory and adjustment should not be necessary. Check adjustment as described below before loosening cable. If adjustment is necessary, proceed as follows:

- With engine not running, move throttle control lever from "SLOW" to "CHOKE" position. Slowly move lever from "CHOKE" to "FAST" position.
- Check that holes "A" in governor control lever and hole in governor plate line-up. If holes "A" are not aligned, loosen clamp screw and move throttle cable until holes are aligned. Tighten clamp screw securely.

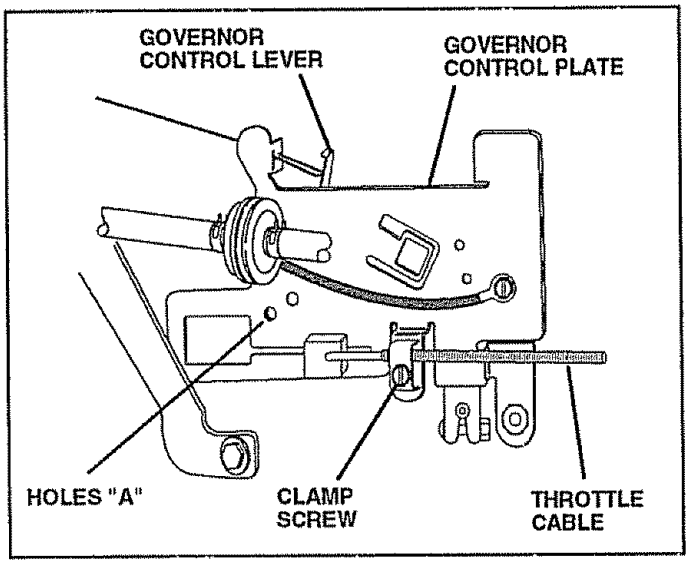


FIG. 28

TO ADJUST CARBURETOR (See Fig. 29)

The carburetor has been preset at the factory and adjustment should not be necessary. However, minor adjustment may be required to compensate for differences in fuel, temperature, altitude or load. If the carburetor does need adjustment, proceed as follows:

In general, turnig idle mixture valve **in** (clockwise) decreases the supply of fuel to the engine giving a leaner fuel/air mixture. Turning the idle mixture valve **out** (counterclockwise) increases the supply of fuel to the engine giving a richer fuel/air mixture.

IMPORTANT: DAMAGE TO THE NEEDLE VALVE AND THE SEAT IN CARBURETOR MAY RESULT IF SCREW IS TURNED IN TOO TIGHT.

PRELIMINARY SETTING -

- Air cleaner assembly must be assembled to the carburetor when making carburetor adjustments.
- Be sure the throttle control cable is adjusted properly (see above).
- With engine off turn idle mixture valve **in** (clockwise) closing it finger tight and then turn **out** (counterclockwise) 1 full turn.

FINAL SETTING -

- Start engine and allow to warm for five minutes. Make final adjustments with engine running and shift/motion control lever in "NEUTRAL" position.
- Move throttle control lever to "SLOW" position. With finger, rotate and hold throttle lever against idle speed screw. Turn idle speed screw to attain 1750 RPM.
- While still holding throttle lever against idle speed screw, turn idle mixture valve **in** (clockwise) until engine begins to die and then turn **out** (counterclockwise) until engine runs rough. Turn valve to a point midway between those two positions. Release throttle lever.

ACCELERATION TEST -

- Move throttle control lever from "SLOW" to "FAST" position. If engine hesitates or dies, turn idle mixture valve **out** (counterclockwise) 1/8 turn. Repeat test and continue to adjust, if necessary, until engine accelerates smoothly.

High speed stop is factory adjusted. Do not adjust - damage may result.

IMPORTANT: NEVER TAMPER WITH THE ENGINE GOVERNOR, WHICH IS FACTORY SET FOR PROPER ENGINE SPEED. OVERSPEEDING THE ENGINE ABOVE THE FACTORY HIGH SPEED SETTING CAN BE DANGEROUS. IF YOU THINK THE ENGINE-GOVERNED HIGH SPEED NEEDS ADJUSTING, CONTACT YOUR NEAREST AUTHORIZED SERVICE CENTER, WHICH HAS PROPER EQUIPMENT AND EXPERIENCE TO MAKE ANY NECESSARY ADJUSTMENTS.

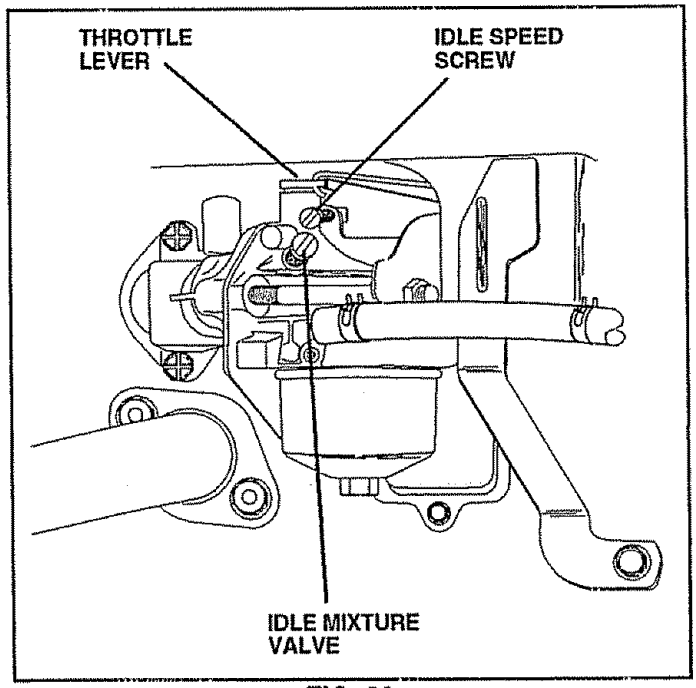


FIG. 29

STORAGE

Immediately prepare your tractor for storage at the end of the season or if the tractor will not be used for 30 days or more.

CAUTION: Never store the tractor with gasoline in the tank inside a building where fumes may reach an open flame or spark. Allow the engine to cool before storing in any enclosure.

TRACTOR

Remove mower from tractor for winter storage. When mower is to be stored for a period of time, clean it thoroughly, remove all dirt, grease, leaves, etc. Store in a clean, dry area.

- Clean entire tractor (See "CLEANING" in the Customer Responsibilities section of this manual).
- Inspect and replace belts, if necessary (See belt replacement instructions in the Service and Adjustments section of this manual).
- Lubricate as shown in the Customer Responsibilities section of this manual.
- Be sure that all nuts, bolts and screws are securely fastened. Inspect moving parts for damage, breakage and wear. Replace if necessary.
- Touch up all rusted or chipped paint surfaces; sand lightly before painting.

BATTERY

- Fully charge the battery for storage.
- After a period of time in storage, battery may require recharging.
- To help prevent corrosion and power leakage during long periods of storage, battery cables should be disconnected and battery cleaned thoroughly (see "TO CLEAN BATTERY AND TERMINALS" in the Customer Responsibilities section of this manual).
- After cleaning, leave cables disconnected and place cables where they cannot come in contact with battery terminals.
- Be sure battery drain tube is securely attached.
- If battery is removed from tractor for storage, do not store battery directly on concrete or damp surfaces.

ENGINE

FUEL SYSTEM

IMPORTANT: IT IS IMPORTANT TO PREVENT GUM DEPOSITS FROM FORMING IN ESSENTIAL FUEL SYSTEM PARTS SUCH AS CARBURETOR, FUEL FILTER, FUEL HOSE, OR TANK DURING STORAGE. ALSO, EXPERIENCE INDICATES THAT ALCOHOL BLENDED FUELS (CALLED GASOHOL OR USING ETHANOL OR METHANOL) CAN ATTRACT MOISTURE WHICH LEADS TO SEPARATION AND FORMATION OF ACIDS DURING STORAGE. ACIDIC GAS CAN DAMAGE THE FUEL SYSTEM OF AN ENGINE WHILE IN STORAGE.

- Drain the fuel tank.
- Start the engine and let it run until the fuel lines and carburetor are empty.
- Never use engine or carburetor cleaner products in the fuel tank or permanent damage may occur.
- Use fresh fuel next season.

NOTE: Fuel stabilizer is an acceptable alternative in minimizing the formation of fuel gum deposits during storage. Add stabilizer to gasoline in fuel tank or storage container. Always follow the mix ratio found on stabilizer container. Run engine at least 10 minutes after adding stabilizer to allow the stabilizer to reach the carburetor. Do not drain the gas tank and carburetor if using fuel stabilizer.

ENGINE OIL

Drain oil (with engine warm) and replace with clean engine oil. (See "ENGINE" in the Customer Responsibilities section of this manual).

CYLINDERS

- Remove spark plug(s).
- Pour one ounce of oil through spark plug hole(s) into cylinder(s).
- Turn ignition key to "START" position for a few seconds to distribute oil.
- Replace with new spark plug(s).

OTHER

- Do not store gasoline from one season to another.
- Replace your gasoline can if your can starts to rust. Rust and/or dirt in your gasoline will cause problems.
- If possible, store your tractor indoors and cover it to give protection from dust and dirt.
- Cover your tractor with a suitable protective cover that does not retain moisture. Do not use plastic. Plastic cannot breathe which allows condensation to form and will cause your tractor to rust.

IMPORTANT: NEVER COVER TRACTOR WHILE ENGINE AND EXHAUST AREAS ARE STILL WARM.

TROUBLESHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
Will not start	1. Out of fuel. 2. Engine not "CHOKED" properly. 3. Engine flooded. 4. Bad spark plug. 5. Dirty air filter. 6. Dirty fuel filter. 7. Water in fuel. 8. Loose or damaged wiring. 9. Carburetor out of adjustment. 10. Engine valves out of adjustment.	1. Fill fuel tank. 2. See "TO START ENGINE" in Operation section. 3. Wait several minutes before attempting to start. 4. Replace spark plug. 5. Clean/replace air filter. 6. Replace fuel filter. 7. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. 8. Check all wiring. 9. Contact Sears Service Center/Department. 10. Contact Sears Service Center/Department.
Hard to start	1. Dirty air filter. 2. Bad spark plug. 3. Weak or dead battery. 4. Dirty fuel filter. 5. Stale or dirty fuel. 6. Loose or damaged wiring. 7. Carburetor out of adjustment. 8. Engine valves out of adjustment.	1. Clean/replace air filter. 2. Replace spark plug. 3. Recharge or replace battery. 4. Replace fuel filter. 5. Drain fuel tank and refill with fresh gasoline. 6. Check all wiring. 7. Contact Sears Service Center/Department. 8. Contact Sears Service Center/Department.
Engine will not turn over	1. Clutch/brake pedal not depressed. 2. Attachment clutch is engaged. 3. Weak or dead battery. 4. Blown fuse. 5. Corroded battery terminals. 6. Loose or damaged wiring. 7. Faulty ignition switch. 8. Faulty solenoid or starter. 9. Faulty operator presence switch(es).	1. Depress clutch/brake pedal. 2. Disengage attachment clutch. 3. Recharge or replace battery. 4. Replace fuse. 5. Clean battery terminals. 6. Check all wiring. 7. Check/replace ignition switch. 8. Check/replace solenoid or starter. 9. Contact Sears Service Center/Department.
Engine clicks but will not start	1. Weak or dead battery. 2. Corroded battery terminals. 3. Loose or damaged wiring. 4. Faulty solenoid or starter.	1. Recharge or replace battery. 2. Clean battery terminals. 3. Check all wiring. 4. Check/replace solenoid or starter.
Loss of power	1. Cutting too much grass/too fast. 2. Throttle in "CHOKE" position. 3. Build-up of grass, leaves and trash under mower. 4. Dirty air filter. 5. Low oil level/dirty oil. 6. Faulty spark plug. 7. Dirty fuel filter. 8. Stale or dirty fuel. 9. Water in fuel. 10. Spark plug wire loose. 11. Dirty engine air screen/fins. 12. Dirty/clogged muffler. 13. Loose or damaged wiring. 14. Carburetor out of adjustment. 15. Engine valves out of adjustment.	1. Set in "Higher Cut" position/reduce speed. 2. Adjust throttle control. 3. Clean underside of mower housing. 4. Clean/replace air filter. 5. Check oil level/change oil. 6. Clean and regap or change spark plug. 7. Replace fuel filter. 8. Drain fuel tank and refill with fresh gasoline. 9. Drain fuel tank and carburetor, refill tank with fresh gasoline and replace fuel filter. 10. Connect and tighten spark plug wire. 11. Clean engine air screen/fins. 12. Clean/replace muffler. 13. Check all wiring. 14. Contact Sears Service Center/Department. 15. Contact Sears Service Center/Department.
Excessive vibration	1. Worn, bent or loose blade. 2. Bent blade mandrel. 3. Loose/damaged part(s).	1. Replace blade. Tighten blade bolt. 2. Replace blade mandrel. 3. Tighten loose part(s). Replace damaged parts.

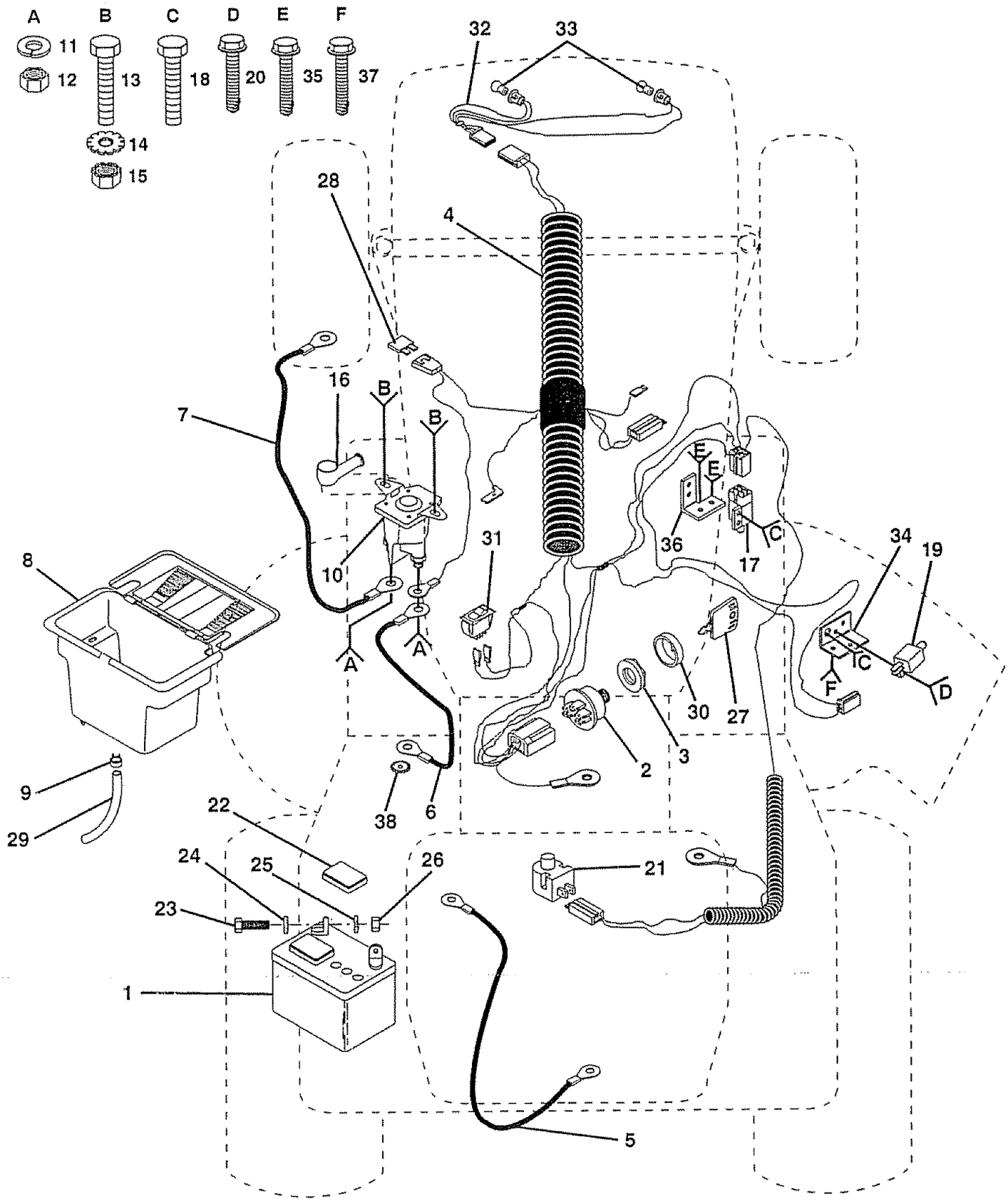
TROUBLESHOOTING POINTS

PROBLEM	CAUSE	CORRECTION
Engine continues to run when operator leaves seat with attachment clutch engaged	1. Faulty operator-safety presence control system.	1. Check wiring, switches and connections. If not corrected, contact Sears Service Center/Department.
Poor cut - uneven	1. Worn, bent or loose blade. 2. Mower deck not level. 3. Buildup of grass, leaves, and trash under mower. 4. Bent blade mandrel. 5. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.	1. Replace blade. Tighten blade bolt. 2. Level mower deck. 3. Clean underside of mower housing. 4. Replace blade mandrel. 5. Clean around mandrels to open vent holes.
Mower blades will not rotate	1. Obstruction in clutch mechanism. 2. Worn/damaged mower drive belt. 3. Frozen idler pulley. 4. Frozen blade mandrel.	1. Remove obstruction. 2. Replace mower drive belt. 3. Replace idler pulley. 4. Replace blade mandrel.
Poor grass discharge	1. Engine speed too slow. 2. Travel speed too fast. 3. Wet grass. 4. Mower deck not level. 5. Low/uneven tire air pressure. 6. Worn, bent or loose blade. 7. Buildup of grass, leaves and trash under mower. 8. Mower drive belt worn. 9. Blades improperly installed. 10. Improper blades used. 11. Clogged mower deck vent holes from buildup of grass, leaves, and trash around mandrels.	1. Place throttle control in "FAST" position. 2. Shift to slower speed. 3. Allow grass to dry before mowing. 4. Level mower deck. 5. Check tires for proper air pressure. 6. Replace/sharpen blade. Tighten blade bolt. 7. Clean underside of mower housing. 8. Replace mower drive belt. 9. Reinstall blades sharp edge down. 10. Replace with blades listed in this manual. 11. Clean around mandrels to open vent holes.
Headlight(s) not working (if so equipped)	1. Switch is "OFF". 2. Bulb(s) burned out. 3. Faulty light switch. 4. Loose or damaged wiring. 5. Blown fuse.	1. Turn switch "ON". 2. Replace bulb(s). 3. Check/replace light switch. 4. Check wiring and connections. 5. Replace fuse.
Battery will not charge	1. Bad battery cell(s). 2. Poor cable connections. 3. Faulty regulator (if so equipped). 4. Faulty alternator.	1. Replace battery. 2. Check/clean all connections. 3. Replace regulator. 4. Replace alternator.
Engine "backfires" when turning engine "OFF"	1. Engine throttle control not set at "SLOW" position for 30 seconds before stopping engine.	1. Move throttle control to "SLOW" position and allow to idle for 30 seconds before stopping engine.

REPAIR PARTS

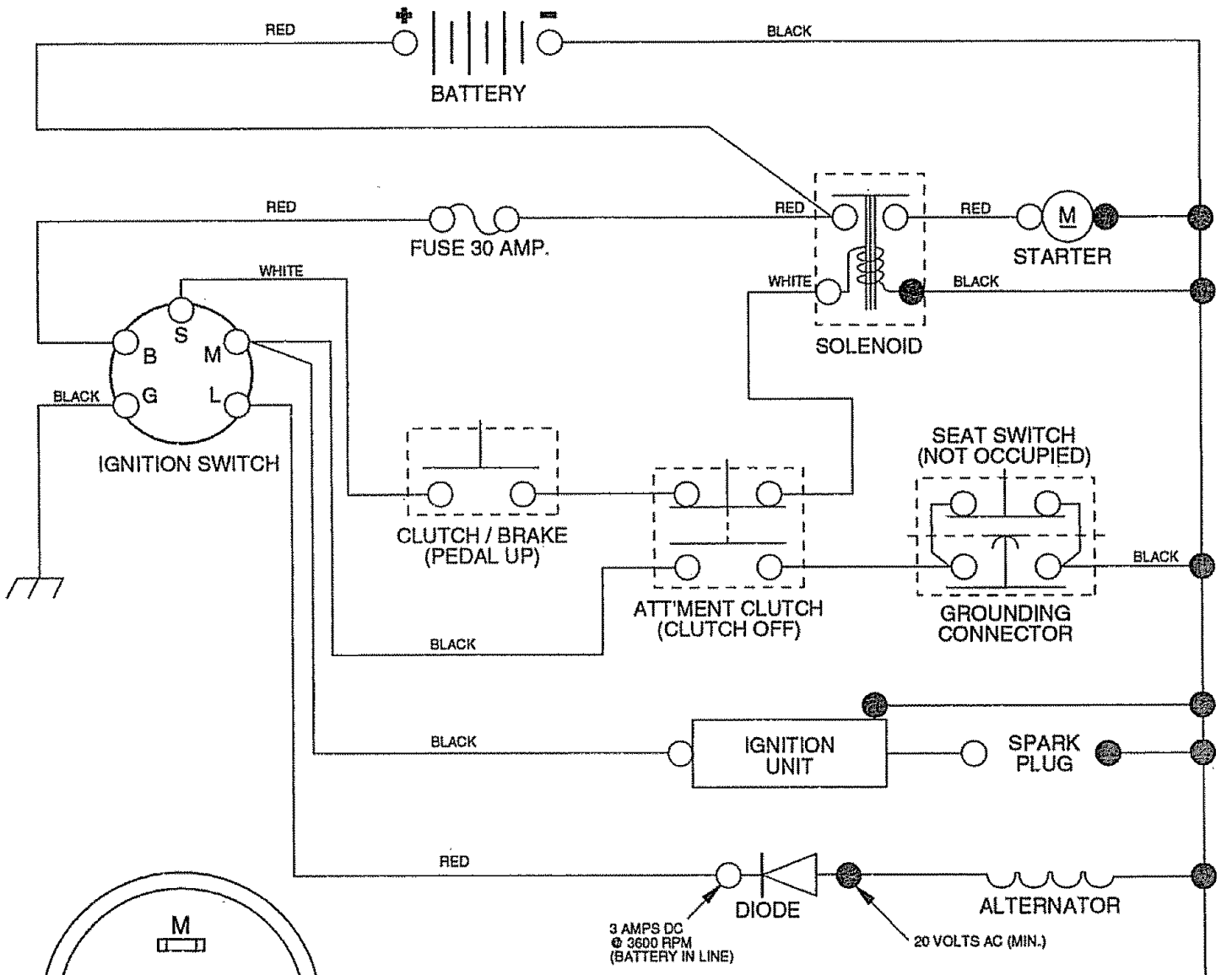
12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

ELECTRICAL



12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

SCHEMATIC



POSITION	CIRCUIT
OFF	M + G
ON	B + L
START	B + S

NOTE

YOUR TRACTOR IS EQUIPPED WITH A SPECIAL ALTERNATOR SYSTEM. THE LIGHTS ARE NOT CONNECTED TO THE BATTERY, BUT HAVE THEIR OWN ELECTRICAL SOURCE. BECAUSE OF THIS, THE BRIGHTNESS OF THE LIGHTS WILL CHANGE WITH ENGINE SPEED. AT IDLE THE LIGHTS WILL DIM. AS THE ENGINE IS SPEEDED UP, THE LIGHTS WILL BECOME THEIR BRIGHTEST.

NON-REMOVABLE CONNECTIONS — REMOVABLE CONNECTIONS

WIRING INSULATED CLIPS

NOTE: If wiring insulated clips were removed for servicing of unit, they should be replaced to properly secure your wiring.

REPAIR PARTS

12.5 HP42" TRACTOR - - MODEL NUMBER 917.255430

ELECTRICAL

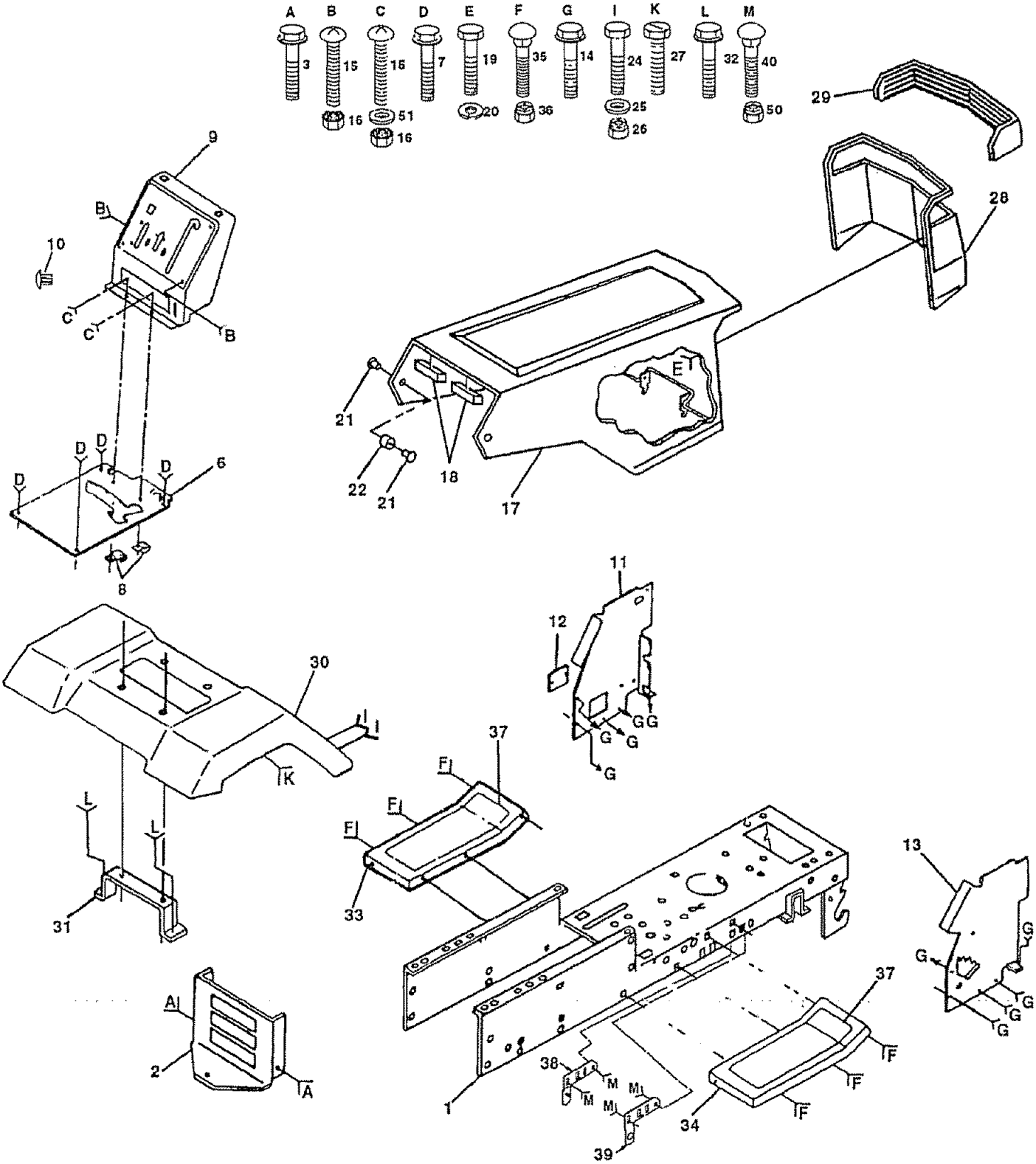
KEY NO.	PART NO.		DESCRIPTION
1	121265X		Battery 12 Volt 25 Amp
2	STD365402	*	Switch Ign 5 Term Wo/wash/nut
3	124211X		Nut Ignition
4	132017		Harness Ign Bs Dash Headlights
5	4207J		Cable Ground 6ga 12"black
6	132202		Cable Battery 6 Ga 42"red
7	4799J		Cable Battery 6ga 11"red
8	129965		Case Battery Hinge Mechanical
9	109596X		Clamp Hose Olive
10	109081X		Solenoid
11	STD551125	*	Washer Lock 1/4
12	73350400		Nut Jam Hex 1/4-20 Unc
13	74780408		Bolt Fin Hex 1/4-20uncx1/2 Gr5
14	STD551225	*	Washer Lock Ext Tooth 1/4
15	STD541425	*	Nut Keps Hex 1/4-20 Unc
16	131563		Cover Terminal Red
17	109553X		Switch Intlk Clutch Red 4 Term
18	STD601005	*	Screw Tap Hex #10-24unc X 1/2
19	104445X		Switch Intlk Clutch Red 2 Term
20	STD601005	*	Screw Tap Hex #10-24unc X 1/2
21	121305X		Switch Plunger Nc Gray
22	121264X		Caps Battery 25/30 Amp
23	74760412		Bolt Hex Hd 1/4-20unc X 3/4
24	STD551025	*	Washer 9/32 X 5/8 X 16 Ga
25	STD551125	*	Washer Lock Hvy Helical 1/4
26	STD541025	*	Nut Fin Hex 1/4-20 Unc
27	109310X		Key Ign Molded Craftsman
28	108824X		Fuse 30 Amp Auto Green
29	109238X		Tube Plastic 12"
30	123620X		Cover Sw Key Blk 1 25 Text Slt
31	110712X		Switch Light Blk Blk Red
32	136849		Harness Socket Light (Includes Key #33)
33	7662J		Bulb Light #1141
34	108236X		Bracket Switch Clutch
35	STD601005	*	Screw Tap Hex #10-24unc X 1/2
36	130890		Bracket Switch Interlock
37	STD601005	*	Screw Tap Hex #10-24unc X 1/2
38	STD551225	*	Washer Lock Internal Tooth 1/4

NOTE: All component dimensions given in U.S. inches. 1 inch = 25.4 mm

REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

CHASSIS AND ENCLOSURES



REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

CHASSIS AND ENCLOSURES

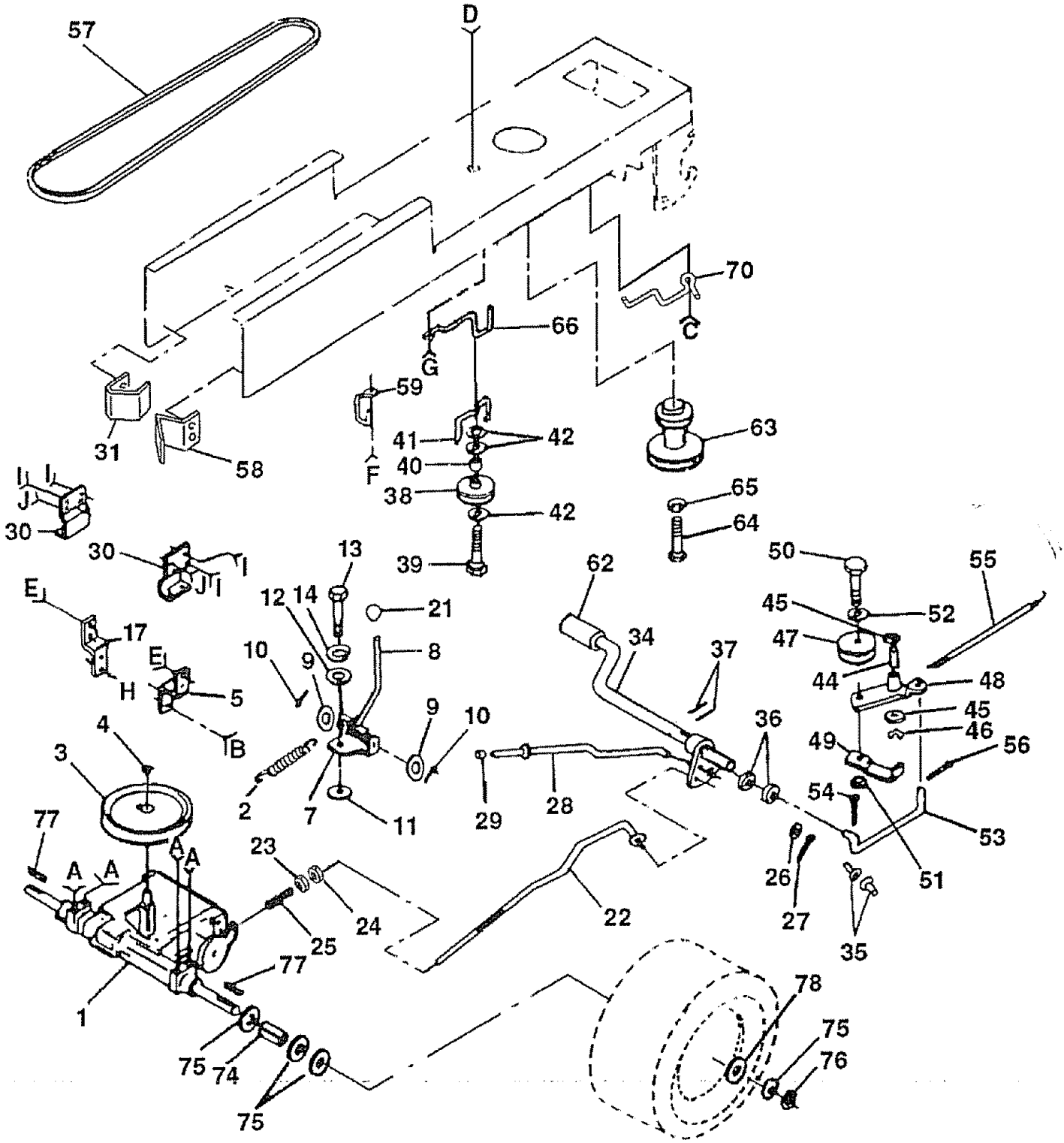
KEY NO.	PART NO.	DESCRIPTION
1	135034	Chassis Weldment 12ga 38/42
2	130805	Drawbar, 12 Ga
3	17490612	Screw Thdrol 3/8-16x3/4 Ty-tt
6	130800X029	Saddle Silkscreen 6sp English
7	17490608	Screw Thdrol 3/8-16x1/2 Ty-tt
8	2751R	Clip Line Fuel 13/32 Mtg Hole
9	137411X012	Dash Silkscreened Sears Eng
10	5479J	Plug Button Blk 359 Dia
11	122795X	Panel Pnt Dash Lh
12	121794X	Cover Access Black Square
13	124031X012	Panel Slkscr Dash Rh Weldment
14	17490608	Screw Thdrol 3/8-16x1/2 Ty-tt
15	74180512	Screw Mach Trhd 5/16-18uncx3/4
16	STD541431	* Nut Keps 5/16-18 Unc
17	131445X417	Hood Asm Pnt Weld Silver Powde
18	126938X	Bumper Hood
19	STD512505	* Bolt Fin Hex 1/4-20unc X 1/2
20	STD551125	* Washer Lock Hvy Helical 1/4
21	122933X	Rivet Ratchet Nylon
22	124479X	Washer Nylon Blk 28x 75x 19
24	STD523707	* Bolt Fin Hex 3/8-16unc X 3/4
25	19131312	Washer 13/32 X 13/16 X 12 Ga
26	STD541437	* Nut Crownlock 3/8-16 Unc
27	17490608	Screw Thdrol 3/8-16x1/2 Ty-tt
28	123915X	Grille Grey
29	124029X	Lens Headlight Bar Clear
30	109872X417	Fender Pnt
31	136619	Bracket Pnt Fender
32	17490612	Screw Thdrol 3/8-16x3/4 Ty-tt
33	105465X417	Footrest Pnt Lh Perf (silver)
34	105464X417	Footrest Pnt Rh Perf (silver)
35	STD533707	* Bolt Rdhd Sht Sqnk 3/8-16 X3/4
36	STD541437	* Nut Crownlock 3/8-16 Unc
37	105466X	Pad Footrest Rbr Sq Craftsman
38	134774	Bracket, Asm. Pivot, L.H., Mower Rear
39	134775	Bracket, Asm. Pivot, R.H., Mower Rear
40	STD533707	Bolt, Carriage 3/8-16 x 3/4
50	STD541437	Locknut Hex W/Washer 3/8-16
51	STD551025	Washer 13/32 x 3/4 x 16 Ga.

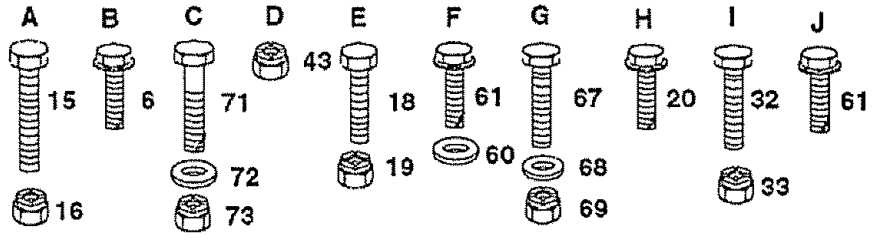
NOTE: All component dimensions given in U.S. inches. 1 inch = 25.4 mm

REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

DRIVE





REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

DRIVE

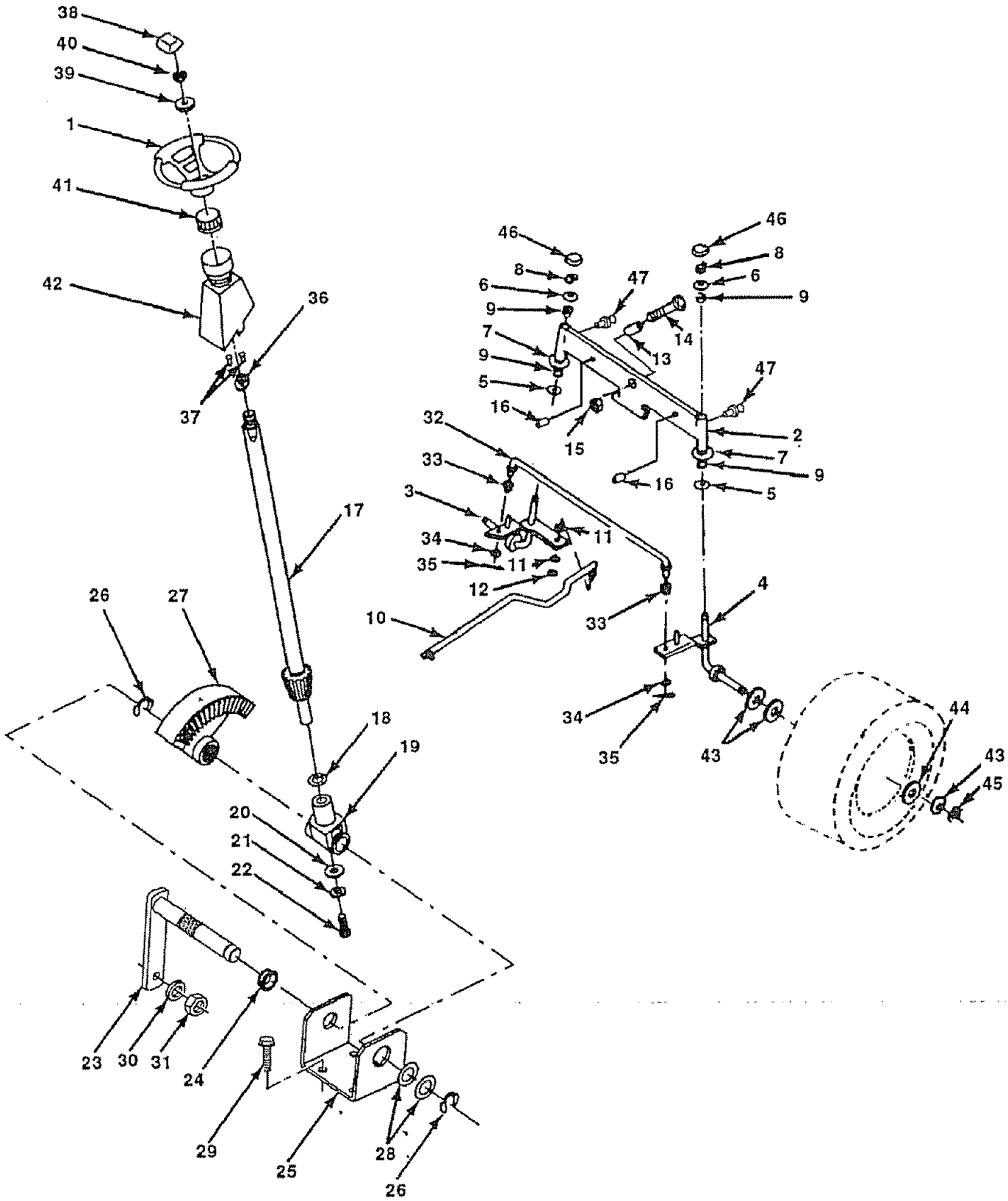
KEY NO.	PART NO.	DESCRIPTION
1	137363	Transaxle 6sp Std Dana, Model No. 4360-48
2	110422X	Spring Return Brake T/a Zinc
3	123666X	Pulley Transaxle Alum
4	12000028	Ring Retainer # 5100-62
5	121520X	Strap Pnt Torque 30 Deg Blk
6	17490512	Screw Thdrol 5/16-18 X 3/4 Tyt
7	130802	Plate Pnt Rod Shift T/a (blk)
8	131679	Rod Shifter Blk (dana)
9	19151216	Washer 15/32 X 3/4 X 16ga
10	STD561210	* Pin Cotter 1/8 X 1 Cad
11	105701X	Washer Plate Shf 388 Sq Hole
12	19091210	Washer 9/32 X 3/4 X 10 Ga
13	71040412	Bolt Fin Hex 1/4-28unfx3/4 Gr8
14	STD551125	* Washer Lock Hvy Helical 1/4
15	STD523727	* Bolt Fin Hex 3/8-16unc X 2-3/4
16	STD541437	* Nut Crownlock 3/8-16 Unc
17	121520X	Strap Pnt Torque 30 Deg Blk
18	STD523707	* Bolt Fin Hex 3/8-16unc X 3/4
19	STD541437	* Nut Crownlock 3/8-16 Unc
20	17490512	Screw Thdrol 5/16-18 X 3/4 Tyt
21	106933X	Knob Rd 1/2-13 Plstc Thds Blk
22	130804	Rod Brake Lt
23	STD541437	* Nut Lock Hex W/wsh 3/8-16unc
24	STD541237	* Nut Hex Jam 3/8-16 Unc
25	106888X	Spring Rod Brake 2 00 Zinc
26	STD551037	* Washer 13/32 X 13/16 X 16 Ga
27	STD561210	* Pin Cotter 1/8 X 3/4 Cad
28	128904	Rod Brake Parking Lt
29	124236X	Cap Parking Brake Red
30	130807	Bracket Transmission
31	127275X	Keeper Belt Lh Lt 14 Ga
32	STD523707	* Bolt Fin Hex 3/8-16unc X 3/4
33	STD541437	* Nut Crownlock 3/8-16 Unc
34	122424X	Shaft Asm Pedal Foot 1 930
35	120183X	Bearing Nylon Blk 629 Id
36	STD551062	* Washer 21/32 X 1 X 16 Ga
37	STD571810	* Pin Roll 3/16 X 1"
38	123674X	Pulley Idler Flat
39	STD523727	* Bolt Fin Hex 3/8-16unc X 2-3/4
40	4470J	Spacer Split 395 X 59 Bzp
41	109070X	Keeper Belt Retainer
42	19131312	Washer 13/32 X 13/16 X 12 Ga
43	STD541437	* Nut Crownlock 3/8-16 Unc
44	105706X	Bearing Nyl 503 X 628 X 1 25
45	110812X	Washer Hardened
46	12000039	Ring Klip #t5304-50
47	127783	Pulley Idler V Groove Plastic
48	123789X	Bellcrank Asm
49	123205X	Retainer Belt Style Spring
50	STD523715	* Bolt Hex Hd 3/8-16unc X 1-1/2
51	STD541437	* Nut Crownlock 3/8-16 Unc
52	STD551037	* Washer 13/32 X 13/16 X 16 Ga
53	105710X	Link Clutch 7 66
54	STD561210	* Pin Cotter 1/8 X 3/4 Cad
55	105709X	Spring Return Clutch 6 75
56	STD561210	* Pin Cotter 1/8 X 3/4 Cad
57	130801	V-belt Ground Drive 95 25
58	127274X	Keeper Belt Rh Lt Pnt/zinc 16g
59	136715	Retainer Belt Chassis Lh Zinc
60	19131312	Washer 13/32 X 13/16 X 12 Ga
61	17490612	Screw Thdrol 3/8-16x3/4 Ty-tt
62	8883R	Cover Pedal Blk Std
63	134825	Pulley Engine
64	71170764	Bolt Finhex 7/16-20 x 4 g5
65	STD551143	* Washer Lock Hvy Hlcl Spr 7/16
66	129921	Keeper Belt Engine Lh Lt
67	STD523710	* Bolt Fin Hex 3/8-16unc X 1
68	19131312	Washer 13/32 X 13/16 X 12 Ga
69	STD541437	* Nut Crownlock 3/8-16 Unc
70	134683	Guide Belt Dr Mower Rh
71	STD523710	* Bolt Fin Hex 3/8-16unc X 1
72	19132012	Washer 13/32 X 1-1/4 X 12 Ga
73	STD541437	* Nut Crownlock 3/8-16 Unc
74	109502X	Spacer Split .80x1.94
75	121749X	Washer 25/32 X 1 1/4 X 16 Ga
76	STD581075	* Ring E #5133-75
77	123583X	Key Square 2 0 X 1845/ 1865
78	121748X	Washer 25/32 X 1 5/8 X 16ga

NOTE: All component dimensions given in U.S. inches. 1 inch = 25.4 mm

REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

STEERING ASSEMBLY



REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

STEERING ASSEMBLY

KEY NO.	PART NO.	DESCRIPTION
1	133741	Wheel Steering Std Black
2	133988	Axle Asm Front
3	135227	Spindle Asm Lh
4	135228	Spindle Asm Rh
5	6266H	Bearing Race Thrust Harden
6	121748X	Washer 25/32 X 1 5/8 X 16ga
7	19272016	Washer 27/32 X 1 1/4 X 16 Ga
8	12000029	Ring Klip #t5304-75
9	3366R	Bearing Col Strg Blk
10	130468	Link Drag Sol Ball Jt 20 064
11	STD551137	* Washer Lock Hvy Hlcl Spr 3/8
12	73610600	Nut Fin Hex 3/8-24 Unf
13	110438X	Spacer Bearing Axle Front
14	74011056	Bolt Hex 5/8-11 Unc X 3-1/2
15	73901000	Locknut Flange 5/8-11 Unc
16	132624	Pin Axle 5/8 X 1 55/1 54 Lg
17	132614	Shaft Asm Strg 5/8 X 15 19 Lt
18	57079	Washer Thrust 515x 750x 033
19	124035X	Support Shaft
20	126684X	Washer Shim 1/4 X 5/8 X 062
21	STD551125	* Washer Lock Hvy Helical 1/4
22	71070410	Screw Hex Socket 1/4-20 X 5/8
23	127501	Shaft Asm Pittman
24	109816X	Nyliner Snap In
25	124036X	Bracket Steering
26	12000029	Ring Klip #t5304-75
27	136874	Gear Sector
28	6266H	Bearing Race Thrust Harden
29	17490612	Screw Thdrol 3/8-16x3/4 Ty-tt
30	STD551137	* Washer Lock Hvy Hlcl Spr 3/8
31	73610600	Nut Fin Hex 3/8-24 Unf
32	130465	Rod Tie Wire Form 19 75 Mech
33	126847X	Bushing Rod Tie Blk Lt
34	19131416	Washer 13/32 X 7/8 X 16ga
35	STD561210	* Pin Cotter 1/8 X 3/4 Cad
36	132196	Bushing Strg 5/8 Id Dash
37	STD611005	* Screw Slftp #10-16 X 1/2 Ty-b
38	133742	Insert Cap Strg Wheel Std Blk
39	19133808	Washer 13/32 X 2-3/8 X 8 Ga
40	STD541537	* Nut Lock Center 3/8-24unf
41	104820X	Adaptor Wheel Strg 640/ 635id
42	124417X	Boot Shaft Steering
43	121749X	Washer 25/32 X 1 1/4 X 16 Ga
44	121748X	Washer 25/32 X 1 5/8 X 16ga
45	12000029	Ring Klip #t5304-75
46	121232X	Cap Spindle Fr Top Blk
47	6855M	Fitting Grease

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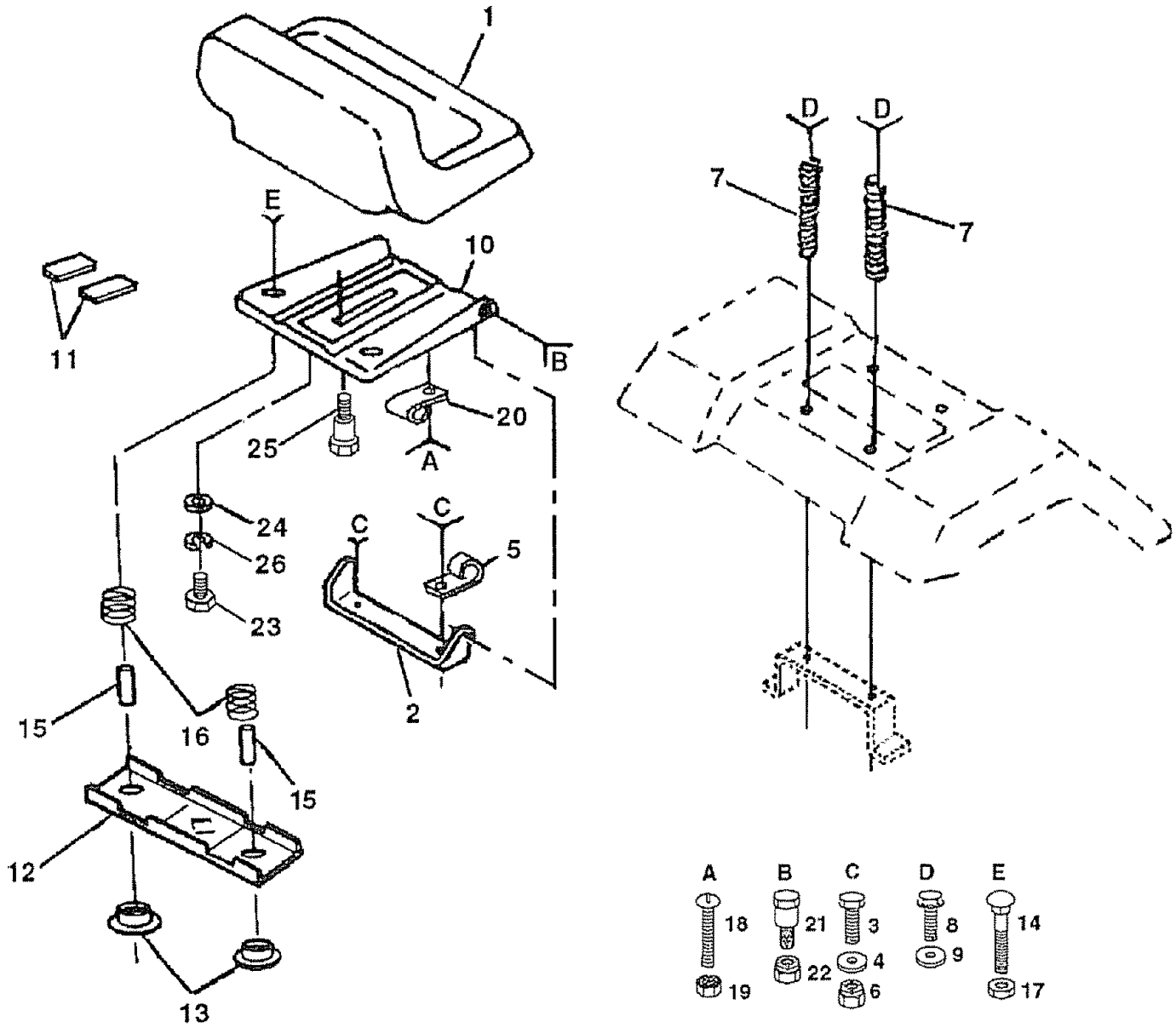
REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

SEAT ASSEMBLY



KEY NO.	PART NO.	DESCRIPTION
1	127437	Seat V350 Blk/red Craftsman
2	126656X	Bracket Pnt Pivot Seat (blk)
3	STD523707	* Bolt Fin Hex 3/8-16unc X 3/4
4	19131210	Washer 13/32 X 3/4 X 10 Ga
5	2751R	Clip Line Fuel 13/32 Mtg Hole
6	STD541437	* Nut Crownlock 3/8-16 Unc
7	124181X	Spring Seat Cprsn 2 250 Blk Zi
8	17490616	Screw Thdrol 3/8-16 X 1 Ty-tt
9	19131614	Washer 13/32 X 1 X 14 Ga
10	131451	Pan Pnt Seat (blk)
11	121251X	Strip Foam Gray Or Black
12	121246X	Bracket Pnt Mounting Switch
13	121248X	Bushing Snap Blk Nyl 50 Id
14	72050411	Bolt Rdhd Sht Nk 1/4-20x1-3/8
15	121249X	Spacer Split 28 X 88 Zinc

KEY NO.	PART NO.	DESCRIPTION
16	121250X	Spring Cprsn 1 27 Blk Pnt
17	123976X	Nut Lock 1/4 Lge Flg Gr 5 Zinc
18	STD511005	* Screw Sltd Pan Hd #10-32 X 1/2
19	73951000	Nut Keps #10-32 Unf
20	4171R	Clip Insulated 11/32 Mtg Hole
21	105529X	Bolt Shoulder 5/16-18 Unc Blkz
22	STD541431	* Nut Crown Lock 5/16-18
23	74780814	Bolt Fin Hex 1/2-13 X 7/8 Gr 5
24	19171912	Washer 17/32 X 1-3/16 X 12 Ga
25	127018X	Bolt Shoulder 5/16-18 X 62
26	STD551150	* Washer Lock Hvy Hlcl Spr 1/2

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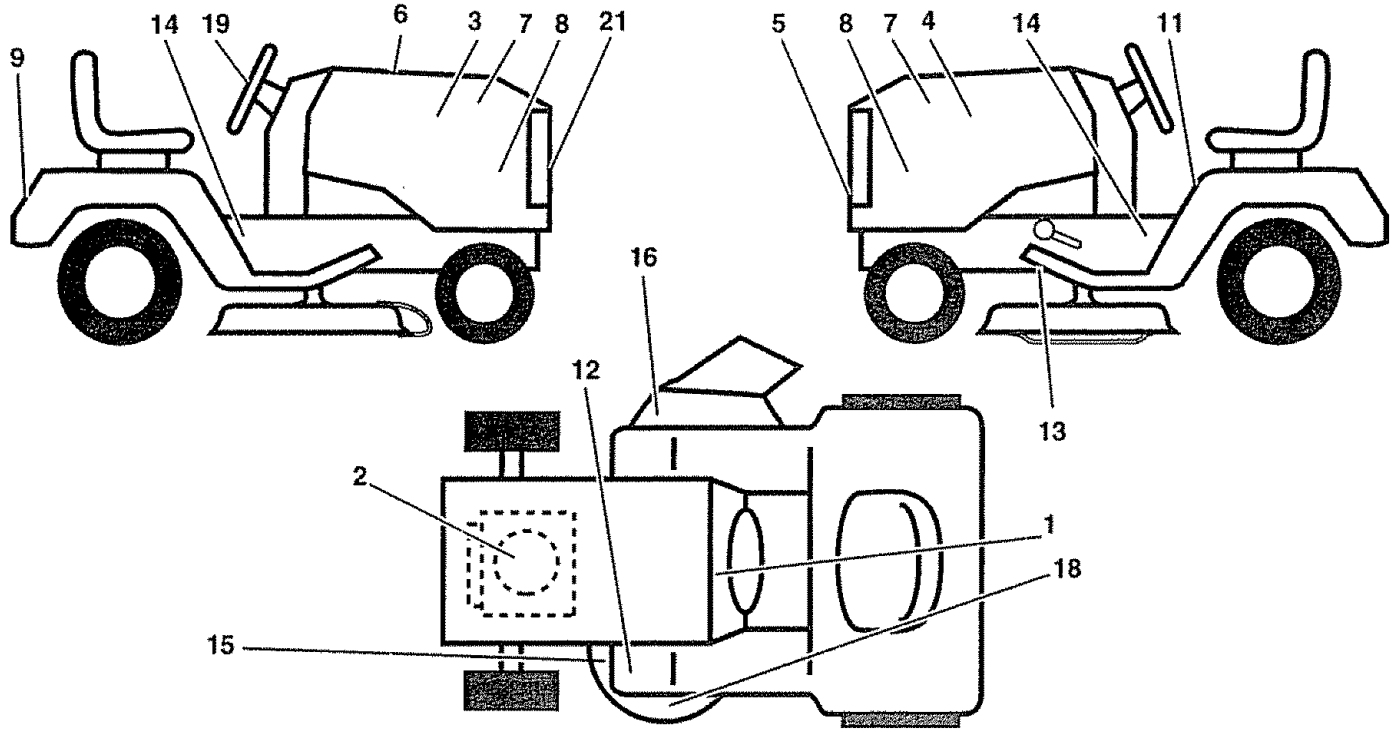
1 inch = 25.4 mm

REPAIR PARTS

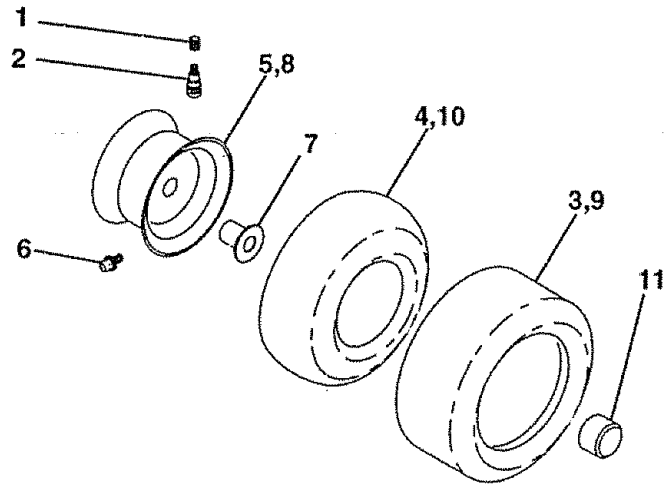
12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

DECALS



KEY NO.	PART NO.	DESCRIPTION
1	136794	Decal Instruction Operat Eng
2	127908	Decal Eng 12 5hp Ic Gold Craft
3	124489X	Decal Hood Slope Rh Craftsman
4	124490X	Decal Hood Slope Lh Craftsman
5	132674	Decal Grille Lt4000 Craft Usa
6	133644	Decal Maint Customer Sears Dom
7	136331	Decal Panel Side I/c Gold/blk
8	108631X	Decal Ii(die Cut)
9	125880X	Decal Fender Craftsman Red
11	133796	Decal Caution English
12	4900J	Decal Clutch/brake English
13	109199X	Decal V-belt Dr Sch Tractor E
14	131473	Decal Chassis 6 Sp 42"
15	136832	Decal Mower Drive Schematic 42
16	121343X	Decal Danger English
18	133179	Decal Mower Qc System
19	132267	Decal Insr Wh Strg Crafts Usa
21	131265	Decal Lightbox
- -	138311	Decal Lift Handle
- -	137633	Manual, Owner's (English)

WHEELS & TIRES



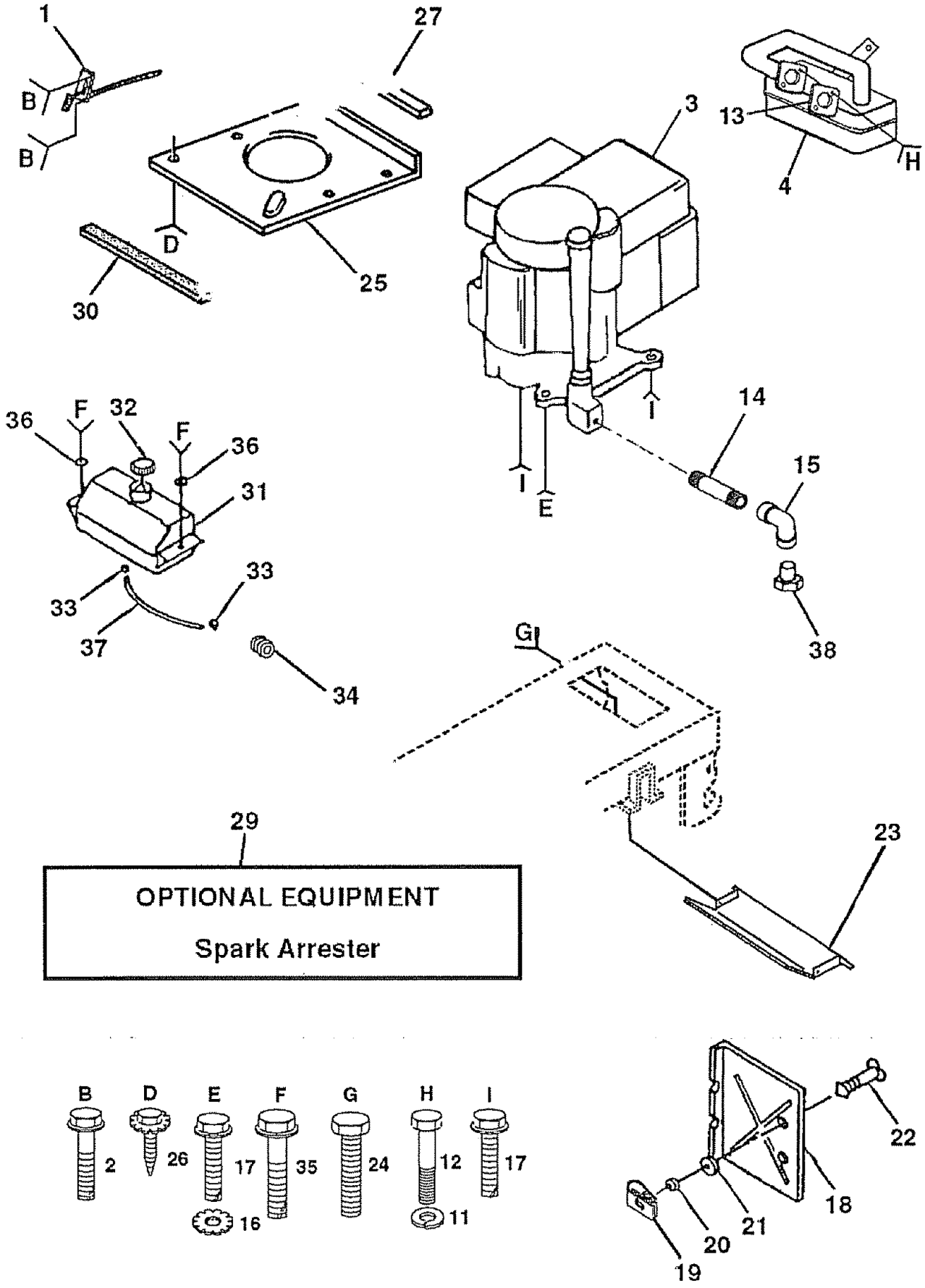
KEY NO.	PART NO.	DESCRIPTION
1	59192	Cap Value Tire
2	65139	Stem Value
3	106222X	Tire F Ts 15 X 6 0 - 6 Service
4	59904	Tube Inner Front #35060
5	106732X361	Rim Asm 6"front Silver Service
6	278H	Fitting Grease
7	9040H	Bearing Flange
8	106108X361	Rim Asm 8"rear Silver Service
9	124635X	Tire R Ts 18x8 5-8 Service
10	7152J	Tube Rear 9 5 X 8 Service
11	104757X	Cap Axle Blk 1 50 X 1 00

NOTE: All component dimensions given in U.S. inches. 1 inch = 25.4 mm

REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

ENGINE



REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

ENGINE

KEY NO.	PART NO.	DESCRIPTION
1	132759	Control Throt Rh Blk Pdl 15 10
2	17720410	Screw Hex Thd Cut 1/4-20x5/8 T
3	137418	Engine B&s 12.5hp I/c Dual 1 Vt, Model No. 286707, Type No. 0441-01
4	137348	Muffler Exhaust B&s Lt
11	STD551131	* Washer Lock Hvy Hlcl Spr 5/16
12	71070510	Screw Hexhd Cap 5/16-18x5/8
13	125593X	Gasket 1 313 Id Tin Plated
14	13280324	Nipple Pipe 3/8 Npt X 3"
15	13200300	Elbow Std 90 Degree 3/8-18 Npt
16	STD551237	* Washer Lock Ext Tooth 3/8
17	17490620	Screw Thdrol 3/8-16x1-1/4 Tytt
18	105736X	Shield Pnt Heat
19	105839X	Receptacle 1/4 Turn Dacrotized
20	105838X	Retainer 1/4 Turn 365odx 222id
21	STD551025	* Washer 9/32 X 5/8 X 16 Ga
22	123650X	Stud 1/4 Turn (replaces 105751
23	128953	Shield Pnt Heat Browning Grass

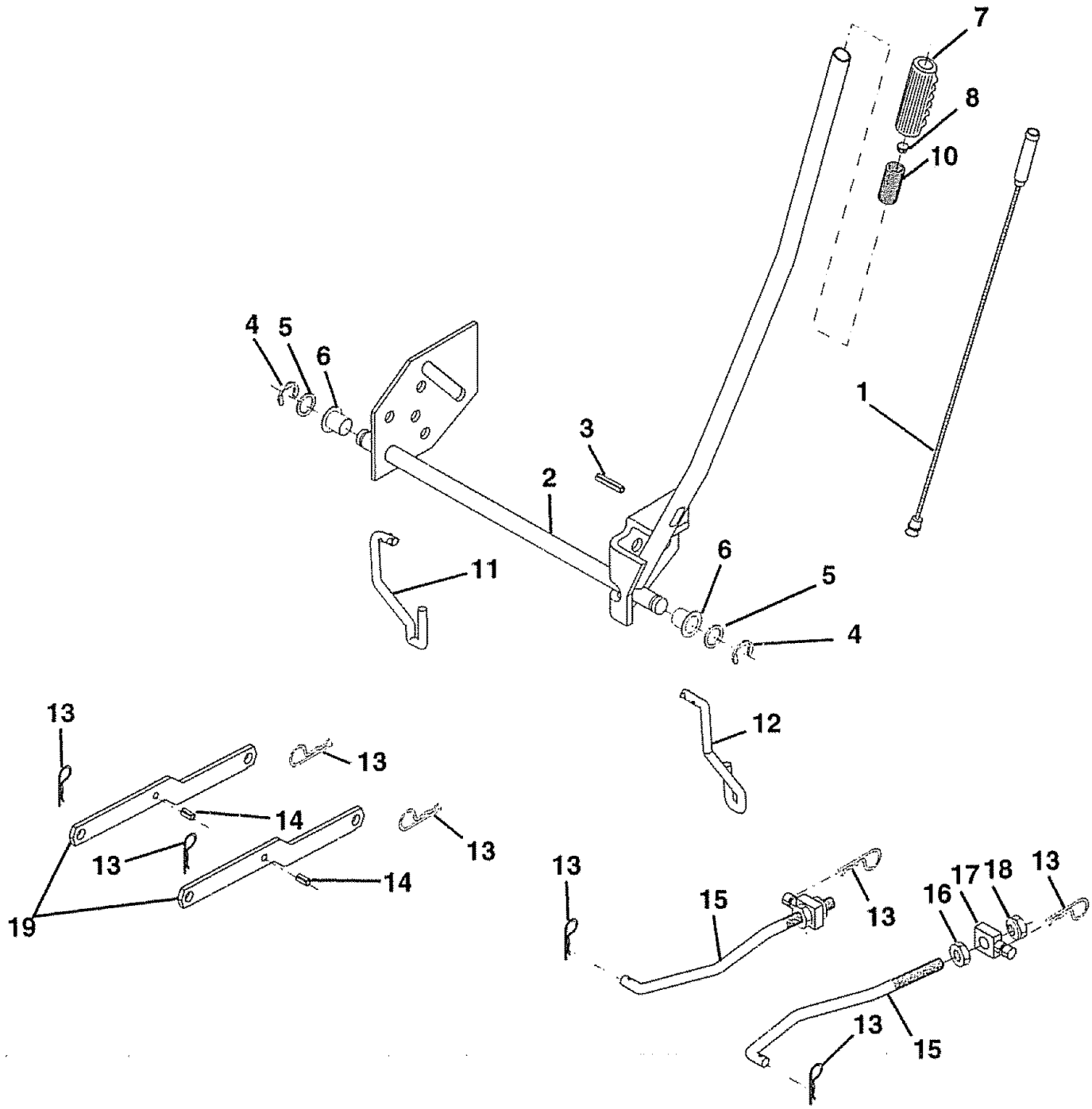
KEY NO.	PART NO.	DESCRIPTION
24	STD601005	* Screw Tap Hex #10-24unc X 1/2
25	124027X	Shield Pnt Heat Hood Lt
26	17030808	Screw Spiderloc Hexhd#8x1/2 Ab
27	105037X	Strip Foam 18"
29	137180	Arrestor Spark
30	127057X	Strap Hood
31	109202X	Tank Fuel 1 25 Fr
32	123549X	Cap Asm Fuel W/sym Vented
33	123487X	Clamp Hose Blk
34	124028X	Bushing Snap Nyl Blk Fuel Line
35	17490412	Screw Hexwsh Thdrol 1/4-20x3/4
36	19091416	Washer 9/32 X 7/8 X 16ga
37	101335K	Line Fuel 9 50"
38	- - -	Plug Oil Drain (Order From Engine Manufacturer)

NOTE: All component dimensions given in U.S inches. 1 inch = 25.4 mm

REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

LIFT



REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

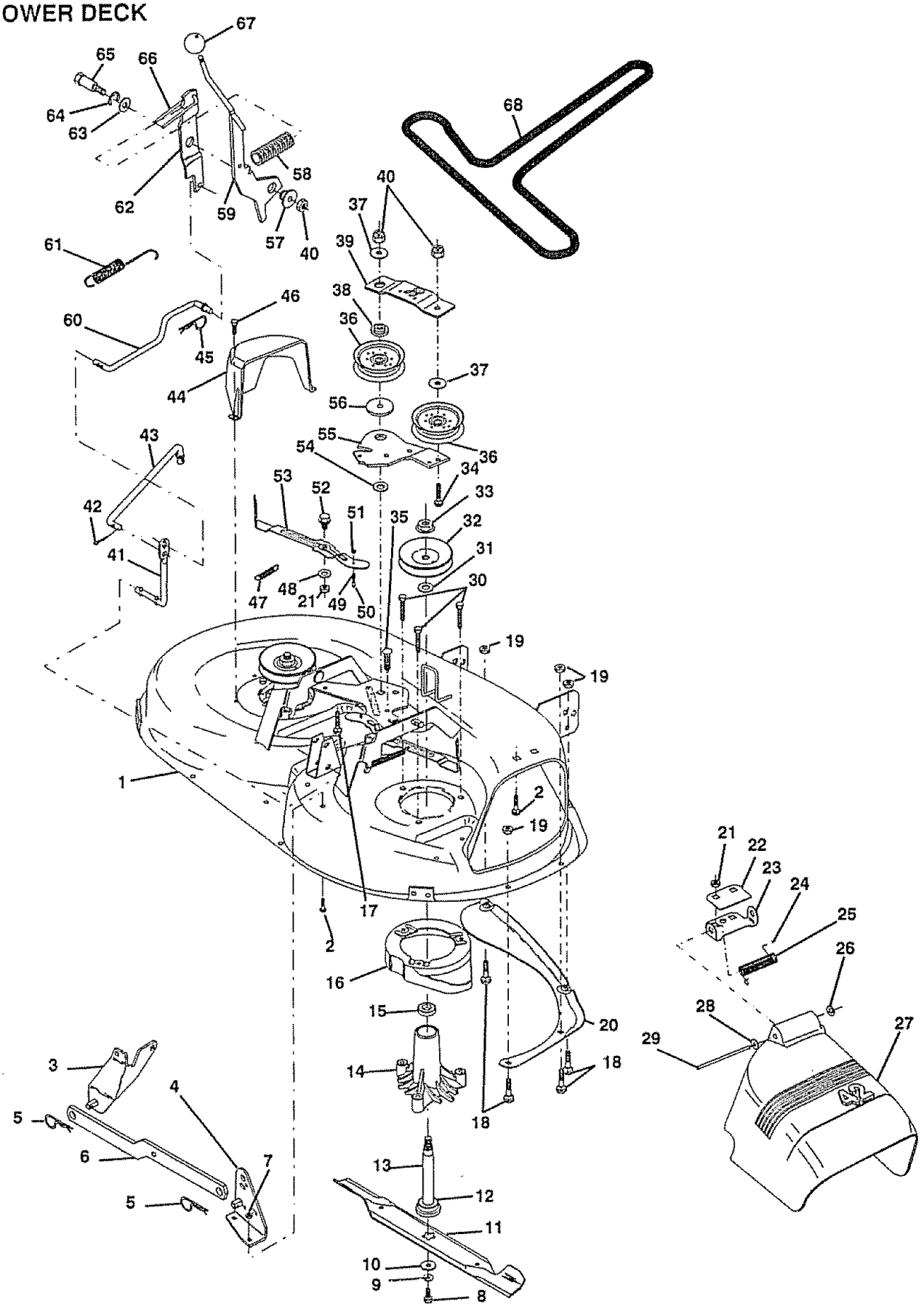
LIFT

KEY NO.	PART NO.	DESCRIPTION
1	136973	Rod Asm. Lever
2	122507X	Shaft Asm. Lift
3	105767X	Pin Groove
4	12000002	E Ring #5133-62
5	19211416	Washer 21/32 x 7/8 x 16 Ga.
6	120183X	Bearing Nylong
7	125631X	Grip Handle Fluted
8	122365X	Button Plunger Read
10	122512X	Spring Cprsn
11	134619	Link Lift Lh Fixed Length
12	135388	Link Lift Rh Fixed Length
13	4939M	Retainer Spring
14	135563	Pin Roll Slt 5/16 x 1.25
15	127218	Link Front
16	73350800	Nut Jam Hex 1/2-13 Unc
17	130171	Trunnion Blk Zinc
18	73800800	Nut Lock W/Wsh 1/2-13 Unc
19	130832	Arm Suspension Rear

REPAIR PARTS

12.5 HP 42" LAWN TRACTOR - - MODEL NUMBER 917.255430

42" MOWER DECK



REPAIR PARTS

12.5 HP 42" LAWN TRACTOR - - MODEL NUMBER 917.255430

42" MOWER DECK

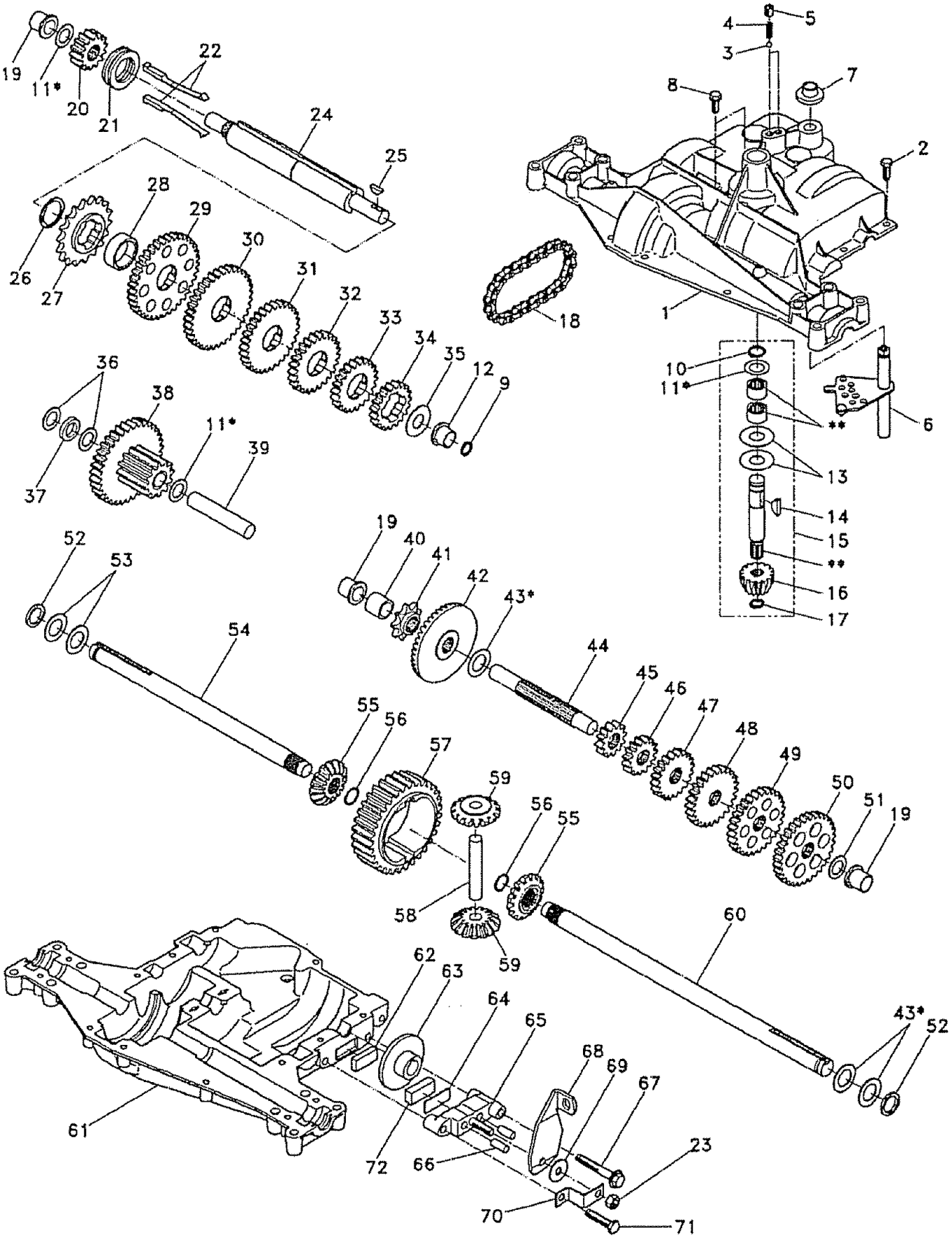
KEY NO.	PART NO.	DESCRIPTION
1	137525	DECK Asm Mower 42"
2	72140506	BOLT Rdhd Sqnk 5/16-18 Unc x 3/4
3	138017	BRACKET Asm. Fr. Sway Bar
4	138018	BRACKET Asm. Deck Sway Bar
5	124670X	RETAINER Spring
6	130832	ARM Rear Suspension
7	73800500	LOCKNUT Hex W/Ins. 5/16-18 Unc
8	850857	BOLT 3/8-24 x 1 25 Gr8 Patched
9	10030600	WASHER Lock Hvy 3/8 Unplated
10	129962	WASHER Hard Blade Mower Vented
11	127843	BLADE Mower High Perf 42"
12	129895	BEARING Ball #6204 (mandrel)
13	~~133172~~ 132646	SHAFT Asm W/lower Bearing (Inc. Key #6)
14	128774	HOUSING Mandrel Vented (machd)
15	110485X	BEARING Ball Mandrel
16	128961	STRIPPER Mower Vented
17	72110618	BOLT Rdhd Sqnk 3/8-16 x 2-1/4
18	73800500	BOLT, Carriage 5/16-18 x 5/8
19	73350800	LOCKNUT Hex W/Ins. 5/16-18
20	136888	BAFFLE Vortex
21	73680500	NUT Crown Lock 5/16-18
22	134753	STIFFENER Bracket 42" deck
23	131267	BRACKET Deflector Mower 42"
24	105304X	CAP Sleeve 80 x 112 Blk Mower
25	123713X	SPRING Torsion Deflector 2 52
26	110452X	NUT Push Phos & Oil
27	130968	SHIELD Deflector Mower 42" Blk
28	19111016	WASHER 11/32 x 5/8 x 16 Ga
29	131491	ROD Hinge 426 75 Wlg
30	78158	BOLT 5/16-18 x 1 25 T/t
31	129963	WASHER Spacer Mower Vented
32	129861	PULLEY Mandrel 42"
33	73050900	NUT 9/16 top Lock Flng Oil Dip
34	72110614	BOLT Rdhd 3/8-16 Unc x 1-3/4 Gr5
35	133835	FASTNER Christmas Tree
36	131494	PULLEY Idler Flat 3 060
37	19131612	WASHER 13/32 x 1 x 12 Ga
38	133502	SPACER Arm Idler Upper Hdn 42"
39	133503	STIFFENER Arm Idler Upper 42"
40	73680600	NUT Crownlock 3/8-16 Unc
41	133551	ROD Pivot W/nibs
42	76020312	PIN Cotter 3/32 x 3/4 Cad
43	133504	ROD Clutch Secondary W/nibs
44	134236	GUARD Mandrel Lh Black
45	4497H	SPRING Retainer 1 Zinc/cad
46	17720410	SCREW Hex Thd Cut 1/4-20 x 5/8 T
47	131335	SPRING Extension
48	133944	WASHER Hardened Smaller
49	133940	ROLLER Asm Cam Follower 42" deck
50	131340	BOLT Shldr 10-24 Zinc Gr5 42"
51	69180	NUT Lock #10-24 Unc
52	105529X	BOLT Shoulder 5/16-18 Unc Blkz
53	131845	ARM Asm Pad Brake
54	133943	WASHER Hardened
55	133844	ARM Idler 42" mower Lt/yt
56	122052X	SPACER Retainer Pm Mower
57	127498	BUSHING 747 Od x 794 Lg Brass
58	128759	SPRING Clutch Mower 2 750 Zinc
59	133573	ARM Asm Clutch Primary
60	133550	ROD Clutch Primary W/nibs
61	131870	SPRING Return
62	127847	ARM Clutch Secondary
63	121748X	WASHER 25/32 x 1-5/8 x 16 Ga
64	12000029	RING Klip #t5304-75
65	128903	BOLT Shoulder 3/8-16 Unc 1 44
66	127845	KEEPER Spring 4 000
67	106932X	KNOB Rd 3/8-16 Plstc Thds Blk
68	130969	V-BELT Mower 42" 92 40
-	130794	MANDREL Asm Service (Includes Key Nos. 8-10, 12-15, 31 and 33)
-	136322	DECK Serv 42" Mech Vent

NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

12.5 HP 42" TRACTOR - MODEL NUMBER 917.255430

DANA TRANSAXLE - MODEL NUMBER 4360-48



REPAIR PARTS

12.5 HP 42" TRACTOR - MODEL NUMBER 917.255430

DANA TRANSAXLE - MODEL NUMBER 4360-48

KEY NO.	PART NO.	DESCRIPTION
1	138248	Housing, Upper
2	2274J	Screw, Self-Tapping, Large 1/4-20 x .734
3	134400	Ball, Detent
4	105904X	Spring, Detent
5	105905X	Screw, Set
6	138235	Kit, Shifter Assembly
7	134399	Boot, Shifter
8	134791	Screw, Tapping w/Sealer
9	138241	Square Ring
10	2267J	Ring, Retaining
11	134793	* Assembly, Kit, Shim .625 Shaft
12	138240	Bearing, Flange
13	120415X	Washer, Plain .632 x 1.38 x .046
14	2257J	Key, Woodruff, #9
15	138234	Assembly, Kit, Iriput Shaft
16	110078X	Pinion, Bevel, 14 Teeth
17	105909X	Ring, Retaining
18	105910X	Chain, 24 Pitches
19	105911X	Bearing, Flange
20	138242	Gear, Spur, 14 Teeth
21	138246	Collar, Clutch
22	138236	Assembly, Kit, Clutch Keys
23	73810500	Locknut 5/16-24
24	138243	Shaft, Intermediate
25	2244J	Key, Woodruff, #61
26	105916X	Ring, Retaining
27	120470X	Sprocket, 18 Teeth
28	110070X	Spacer
29	108977X	Gear, Spur, 37 Teeth
30	109254X	Gear, Spur, 35 Teeth
31	120405X	Gear, Spur, 30 Teeth
32	108980X	Gear, Spur, 25 Teeth
33	120406X	Gear, Spur, 22 Teeth
34	134796	Gear, Spur, 19 Teeth
35	105925X	Washer, Plain .640 x 1.37 x .061
36	2232J	Washer, Plain .632 x 1.00 x .026
37	108978X	Spacer .630 x 1.00 x .169
38	110079X	Assembly, Gear, Combination of 12 Teeth and 35 Teeth
39	124639X	Shaft, Idler
40	120472X	Spacer .635 x .875 x .755
41	105928X	Sprocket, 9 Teeth
42	110084X	Gear, Bevel, 42 Teeth
43	134394	* Assembly, Kit, Shim .750 Shaft
44	120473X	Shaft, Drive
45	105933X	Gear, Spur, 12 Teeth
46	106151X	Gear, Spur, 15 Teeth
47	120407X	Gear, Spur, 20 Teeth
48	106589X	Gear, Spur, 25 Teeth
49	120408X	Gear, Spur, 28 Teeth
50	105937X	Gear, Spur, 31 Teeth
51	2226J	Washer, Plain .632 x 1.00 x .060
52	134401	Washer, Neoprene
53	2264J	Washer, Plain .758 x 1.25 x .031
54	120474X	Axle, L.H.
55	110081X	Gear, Miter, 15 Teeth
56	105941X	Ring, Retaining
57	110071X	Gear, Spur, 32 Teeth
58	120952X	Shaft, Cross
59	110082X	Gear, Miter, 15 Teeth
60	120475X	Axle, R.H.
61	138247	Housing, Lower
62	120961X	Puck, Friction
63	7294J	Disc, Brake
64	108989X	Spacer
65	120953X	Jaw, Brake
66	120954X	Pin, Dowel
67	134799	Screw, Self-Tapping, Large 5/16-18 x 2.25
68	138244	Lever, Actuating
69	108996X	Washer, Plain .321 x 1.00 x .055
70	120956X	Bracket, Anti-Rotation
71	106596X	Screw, Self-Tapping, Large 5/16-18 x 1.44
72		Puck, Friction
73	120416X	Grease

* Use in combinations to maintain proper clearances

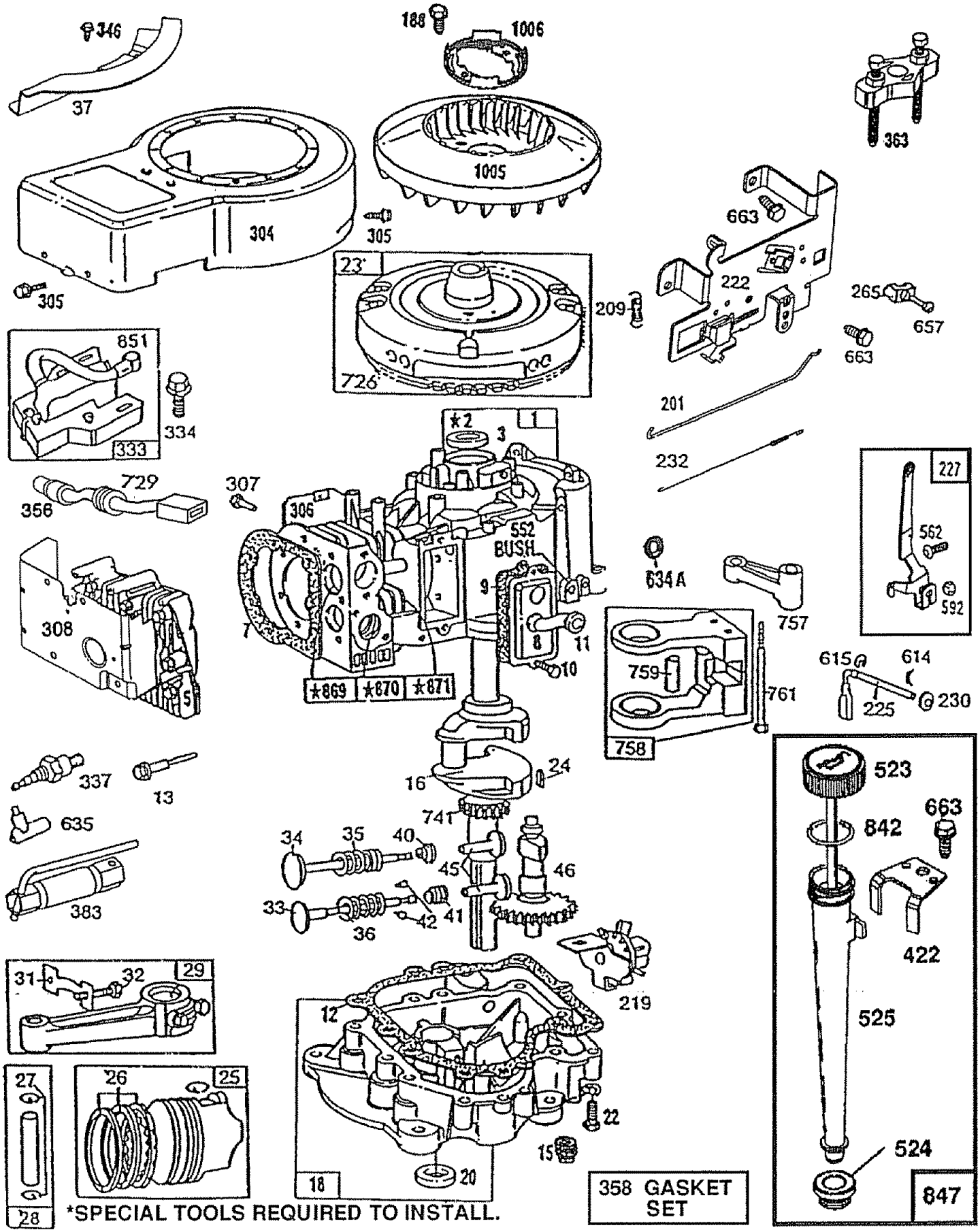
** Order Key No. 15

NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

BRIGGS & STRATTON ENGINE - MODEL NUMBER 286707, TYPE NUMBER 0441-01



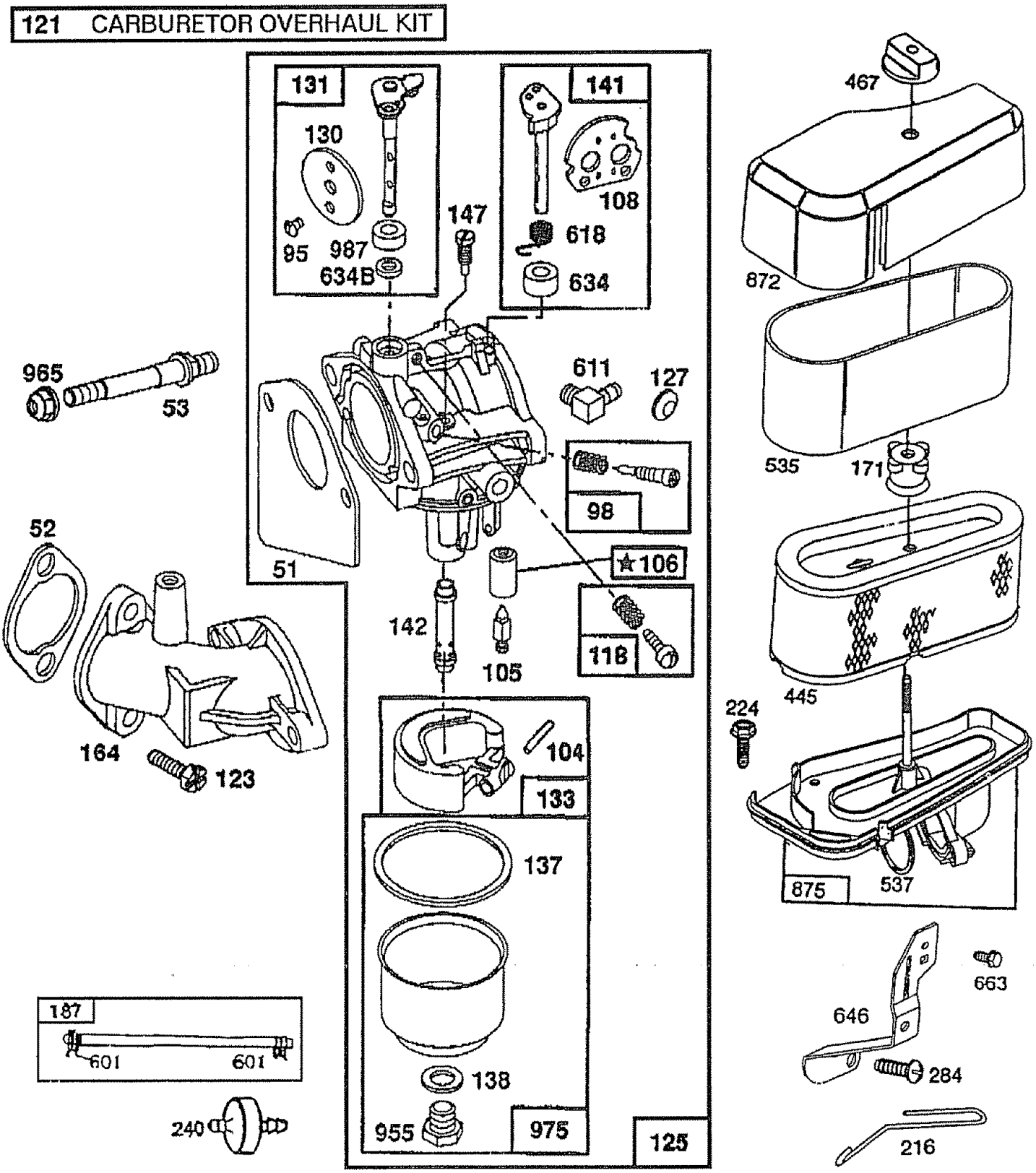
358 GASKET SET

*SPECIAL TOOLS REQUIRED TO INSTALL.

REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

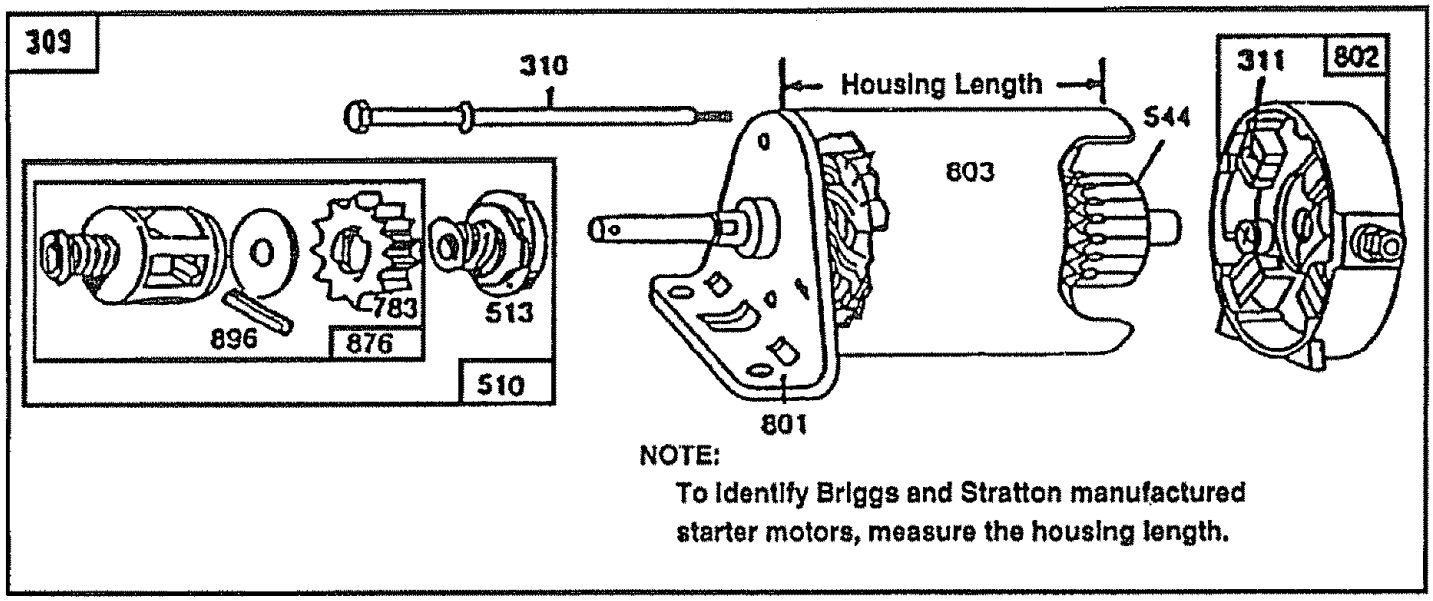
BRIGGS & STRATTON ENGINE - MODEL NUMBER 286707, TYPE NUMBER 0441-01



REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

BRIGGS & STRATTON ENGINE - MODEL NUMBER 286707, TYPE NUMBER 0441-01



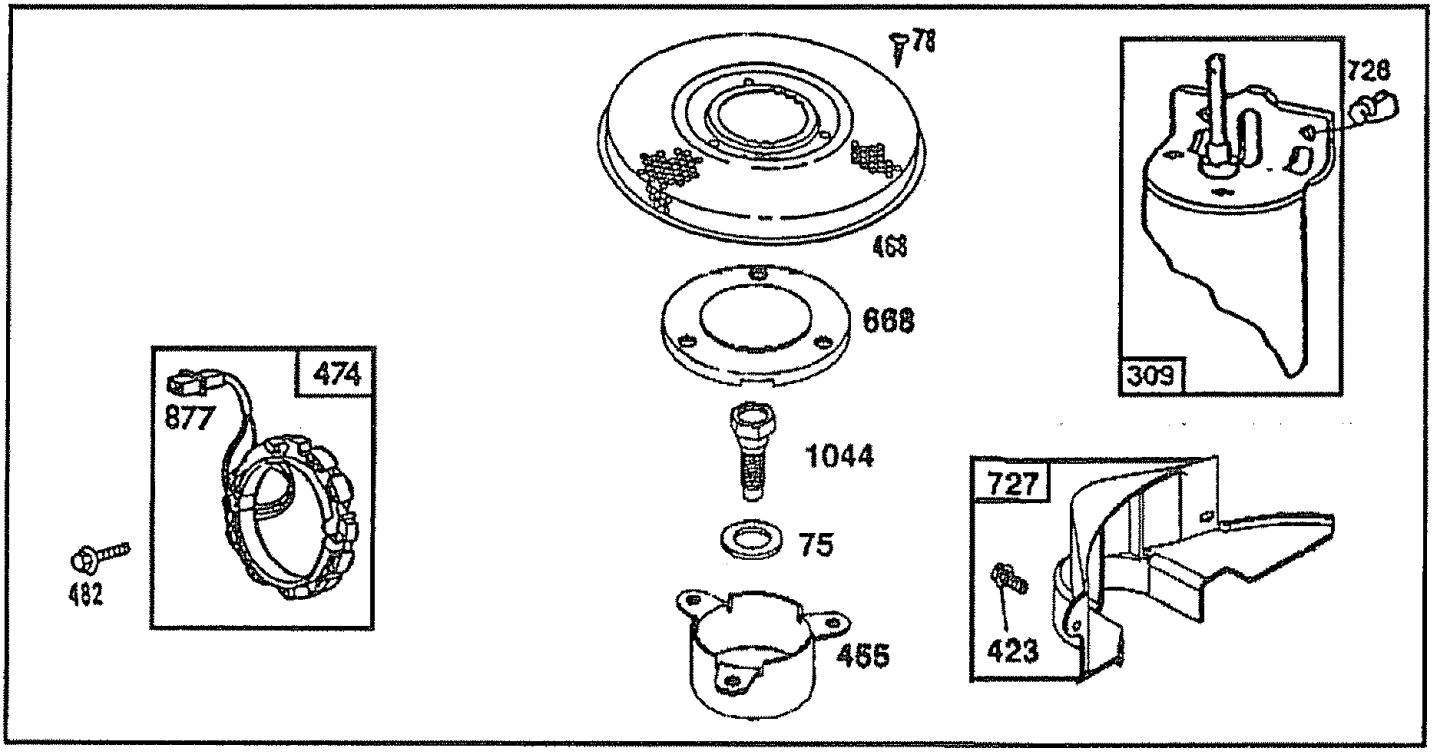
NOTE:

To identify Briggs and Stratton manufactured starter motors, measure the housing length.

KEY NUMBER		309	310	311	510	544	801	802	803
MANUFACTURER		Motor and Drive Assy.	Thru Bolt Assembly	Brush Assembly	Drive Assembly	Armature Assembly	Drive End Cap Assembly	End Cap Assy. Commutator	Housing Assembly
Briggs & Stratton	Housing Length								
12V	3-21/32"	394805	94003	395538	490421**	390837	394856	395537*	398159

*Includes Brush Set

**Includes
- #398003 Clutch Assembly (Key Number 513)
- #280104 Gear (Key Number 783)
- #490467 Retainer and Pin (Key Number 876)
- #94288 Roll Pin (Key Number 896)



REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

BRIGGS & STRATTON ENGINE - MODEL NUMBER 286707, TYPE NUMBER 0441-01

KEY NO.	PART NO.	DESCRIPTION
1	490450	Cylinder Assembly
2	399265	Bearing, Cylinder (Requires Special Tools For Installation)
3	391086	* Seal, Oil
5	494240	Head, Cylinder
7	271866	* Gasket, Cylinder Head
8	391406	Breather Assembly
9	27803	Gasket, Valve Cover
10	94621	Screw, Sems
11	280100	Tube, Breather
12	271916	* Gasket, Crankcase Cover 1/64"
	271997	* Gasket, Crankcase Cover .005"
	271996	* Gasket, Crankcase Cover .009"
13	94622	Screw, Cylinder Head 3"
15	94239	Plug, Oil Drain
16	495162	Crankshaft
	94196	Key, Timing Gear
18	494238	Base, Engine
20	291675	* Seal, Oil
22	94624	Screw, Sems, Base Mounting
23	492326	Flywheel and Ring Gear Assembly, Magneto
24	222698	Key, Flywheel
25	394661	Piston Assembly, Standard
	394662	Piston Assembly .010" Oversize
	394663	Piston Assembly .020" Oversize
	394664	Piston Assembly .030" Oversize
26	391780	Ring Set, Piston, Standard
	392331	Ring Set, Piston, Chrome, Standard
	391781	Ring Set, Piston .010" Oversize
	391782	Ring Set, Piston .020" Oversize
	391783	Ring Set, Piston .030" Oversize
27	260924	Lock, Piston Pin
28	299691	Pin Assembly, Piston, Standard
	391286	Pin Assembly, Piston .005" Over
29	490348	Rod Assembly, Connecting
	490469	Rod Assembly, Connecting .020" Undersize Crankpin Bore
31	222299	Lock, Connecting Rod Screw
32	92909	Screw, Connecting Rod
33	262246	Valve, Exhaust
34	262247	Valve, Intake
35	65906	Spring, Intake Valve
36	26828	Spring, Exhaust Valve
37	224502	Guard, Flywheel
40	221596	Retainer, Intake Valve
41	292260	Rotocoil, Exhaust Valve
42	93630	Retainer, Exhaust Valve Rotocoil
45	262248	Tappet-Valve
46	212897	Gear, Cam
51	272465	*** Gasket, Carburetor (Carburetor to Elbow)
52	272554	* Gasket, Carburetor (Elbow to Cylinder)
53	94637	Stud, Carburetor Mounting
75	224061	Washer, Spring
78	93805	Screw, Sems
95	94098	** Screw, Throttle
98	495800	Screw, Idle Speed
104	231789	** Pin, Float Hinge
105	231855	** Valve Assembly, Inlet Needle
106	231854	Inlet Valve Seat
108	224540	Valve, Choke
118	494383	** Valve, Needle
121	495799	Carburetor Overhaul Kit (Includes Items marked ** and ***)
123	94616	Screw, Elbow Mounting
125	495706	Carburetor Assembly
127	- - -	** Plug, Welch (Sold in Kit Only)
130	224539	Valve, Throttle
131	494379	Shaft and Lever, Throttle
133	494381	Float, Carburetor
137	281165	*** Gasket, Float Bowl
138	281164	*** Washer, Float Bowl Screw
141	494380	** Shaft and Lever, Choke
142	494537	** Nozzle/Jet, Carburetor
	494499	High Altitude Kit:
		231796 Pilot Jet, High Altitude
		281164 Seal, Bowl Screw
147	231794	** Pilot, Jet
164	213819	Carburetor, Elbow
171	281051	Nut, Air Cleaner Mounting
187	393815	Line, Fuel, 11" (Cut To Suit)
188	93535	Screw, Sems 3/4"
201	262767	Link, Governor
209	260871	Spring, Governor
216	262766	Link, Choke
219	490815	Oil Slinger, Governor Gear and Bracket Assembly

* Included in Gasket Set (494241)
** Included in Carburetor Overhaul Kit (495799)
*** Included in both Carburetor Overhaul Kit (495799) and Carburetor Gasket Set (494385)

NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

REPAIR PARTS

12.5 HP 42" TRACTOR - - MODEL NUMBER 917.255430

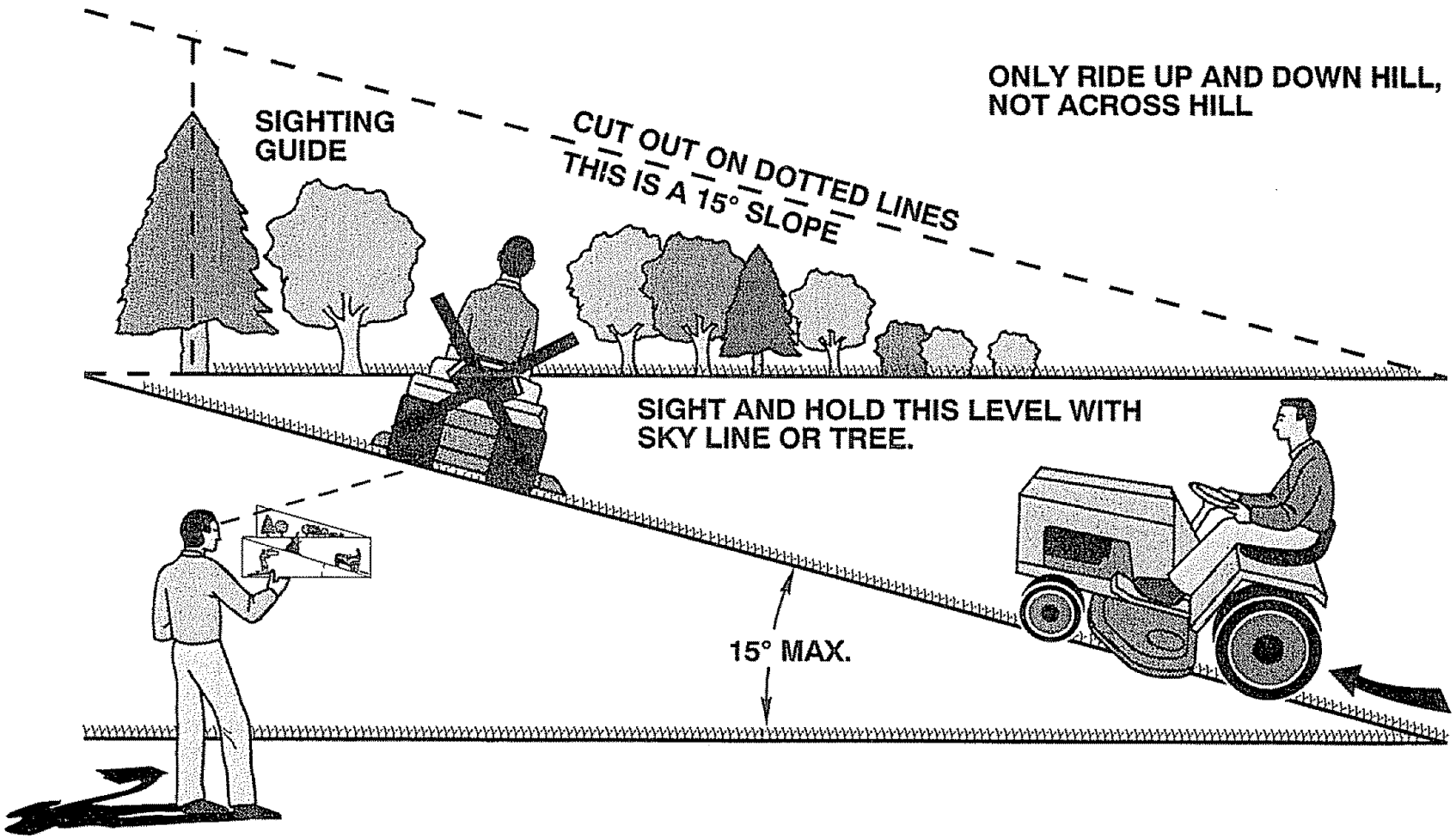
BRIGGS & STRATTON ENGINE - MODEL NUMBER 286707, TYPE NUMBER 0441-01

KEY NO.	PART NO.	DESCRIPTION
222	494887	Plate, Governor Control (Choke-A-Matic)
224	94729	Screw, Sem, Air Cleaner
308	491490	Cover, Cylinder Head
225	231058	Crank, Governor, 1/4" Diameter
227	493935	Lever Assembly, Governor
230	94742	Washer, Governor Crank, 1/4" I.D.
232	262785	Spring, Governor Link
240	394358	Filter, Fuel
265	221535	Clamp, Casing
284	94326	Screw, Air Cleaner
304	224504	Housing, Blower, Red
305	94619	Screw, Sems, Blower Housing Mounting
306	224545	Shield, Cylinder
307	94623	Screw, Sems, Cylinder Shield Mtg.
309	- - -	Motor, Starting, 12 Volt (See Chart on Illustrated Pages for Replacement Parts)
333	492341	Armature, Magneto
334	93381	Screw, Sems, Armature Mounting
337	802592	Plug, Spark, (1-7/8" or 47 mm) (Resistor Type)
346	93705	Screw, Hex Head
356	494328	Wire, Ground
358	494241	Gasket Set (Includes all items marked *)
363	19203	Puller, Flywheel
383	89838	Wrench, Spark Plug
422	224390	Clamp, Oil FillerTube
423	93984	Screw, Sems
445	493909	Cartridge, Air Cleaner
455	222561	Cup, Screen Mounting
467	493903	Knob, Air Cleaner
468	222562	Screen, Flush Rotating
474	393474	Stator, Alternator, Dual Circuit
482	93621	Screw, Sems
523	495230	Cap and Dipstick, Oil Filler
524	68838	Seal, Filler Tube
525	280741	Tube, Oil Filler
535	272403	Element, Air Cleaner
537	281106	* O-Ring, Air Cleaner
552	231597	Bushing, Governor Crank, 1/4" I.D.
562	92613	Bolt, Governor Lever
592	231082	Nut, Hex #10-24
601	93053	Clamp, Fuel Pipe
611	494451	Fuel Inlet Tube
614	93306	Cotter, Hair Pin
615	93307	Retainer, E-Ring
618	262803	Spring, Choke Return
634	281168	** Seal, Choke Shaft
634A	491323	* Seal, Governor
634B	281167	Washer, Throttle Shaft
635	66538	Elbow, Spark Plug
646	224546	Brace, Air Cleaner
657	93496	Screw, Sems
663	94620	Screw, Hex Head
668	280848	Spacer
726	392134	Gear, Ring (Includes Mounting Parts)
727	490324	Cover, Starter (Includes Mounting Screws)
728	94627	Screw, Sems
729	281159	Clip, Lead Wire
741	262135	Gear, Timing
757	212359	Link, Counterweight
758	399891	Counterweight Assembly
759	298909	Pin, Counterweight
761	93875	Screw, Counterweight
842	270920	Seal, Oil Filler Cap
847	490474	Fill Group, Oil
851	221798	Terminal, Ignition Cable
869	261463	Seat, Intake Valve, Standard
870	210940	Seat, Exhaust Valve, Standard
871	261961	Guide, Exhaust Valve
872	281104	Cover, Air Cleaner
875	494237	Body, Air Cleaner
877	393456	Diode and Connector Assembly, Dual Circuit
955	94642	** Screw, Fuel Bowl
965	94108	Locknut, Air Cleaner Mounting
975	494378	Bowl Assembly, Carburetor
977	494385	Carburetor Gasket Kit (Includes items marked ***)
987	281166	** Seal, Throttle Shaft
1005	280687	Fan, Flywheel
1006	224413	Retainer, Fan
1044	94673	Screw, Shoulder, Hex Head

* Included in Gasket Set (494241)
** Included in Carburetor Overhaul Kit (495799)
*** Included in both Carburetor Overhaul Kit (495799) and Carburetor Gasket Set (494385)

NOTE: All component dimensions given in U.S. inches
1 inch = 25.4 mm

SUGGESTED GUIDE FOR SIGHTING SLOPES FOR SAFE OPERATION


SIGHTING GUIDE
CUT OUT ON DOTTED LINES
THIS IS A 15° SLOPE
ONLY RIDE UP AND DOWN HILL, NOT ACROSS HILL
SIGHT AND HOLD THIS LEVEL WITH SKY LINE OR TREE.
15° MAX.

Operate your Tractor up and down the face of slopes (not greater than 15°), never across the face. Make turns gradually to prevent tipping or loss of control. Exercise extreme caution when changing direction on slopes.

SEARS

OWNER'S MANUAL

MODEL NO. 917.255430

HOW TO ORDER REPAIR PARTS

CRAFTSMAN®

12.5 HP IC ELECTRIC START 42" MOWER 6 SPEED TRANSAXLE LAWN TRACTOR

Each tractor has its own model number. Each engine has its own model number.

The Model Number for your tractor will be found on the model plate located under the seat.

The model number for your engine will be found on the blower housing of the engine.

All parts listed herein may be ordered from any Sears Service Centre and most Retail Stores.

WHEN ORDERING REPAIR PARTS, ALWAYS GIVE THE FOLLOWING INFORMATION:

- PRODUCT - LAWN TRACTOR
- MODEL NUMBER - 917.255430
- ENGINE MODEL NUMBER - 286707, TYPE NUMBER 0441-01
- PART NUMBER
- PART DESCRIPTION

Your Sears merchandise has added value when you consider Sears has service units nationwide staffed with Sears trained technicians... professional technicians specifically trained to insure that we meet our pledge to you, we service what we sell.

Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.

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